



DEPARTMENT OF THE NAVY  
HEADQUARTERS UNITED STATES MARINE CORPS  
WASHINGTON, DC 20380-0001

MCO P3500.29  
C 461A  
12 JUL 1999

MARINE CORPS ORDER P3500.29

From: Commandant of the Marine Corps  
To: Distribution List

Subj: AVIATION TRAINING AND READINESS MANUAL, VOLUME 7, AIRFIELD  
SERVICES (SHORT TITLE: T&R MANUAL, VOLUME 7)

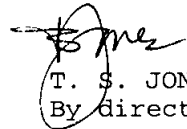
Ref: (a) MCO P3500.14

Encl: (1) Locator Sheet

1. Purpose. To publish policies, procedures, and standards regarding the training of airfield services personnel.
2. Action. Commanders will ensure that airfield services personnel training, qualifications, and certifications are accomplished per the instructions and guidance in this Manual and the reference.
3. Recommendations. Recommended changes to the Aviation training and Readiness Manual, Volume 7 are invited, and will be submitted via the Syllabus Sponsor and the appropriate chain of command to: Commanding General, Standards Branch (C 461A), Marine Corps Combat Development Command, 3300 Russell Rd, Quantico, VA 22134-5001
4. Reserve Applicability. This Manual is applicable to the Marine Corps Reserve.
5. Certification. Reviewed and approved this date.

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ENCLOSURE (1)

# RECORD OF CHANGES

Log completed change action as indicated

Change Number	Date of Change	Date Entered	Signature of Person incorporated Change



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- 6 AIRCRAFT FIREFIGHTING AND RESCUE SPECIALIST

AVIATION T&R MANUAL, VOLUME 7

CHAPTER 1

EMERGENCY SERVICES OFFICER

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**100. INTRODUCTION**

1. The purpose of the Marine Aviation Training and Readiness (T&R) program is to provide the commander with standardized programs of instruction for all aviation personnel. The goal is to develop unit WARFIGHTING capabilities, not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective T&R program is the first step in providing the MAGTF Commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat readiness. Using these tools, unit training managers can construct and execute an effective training plan which supports the unit's mission essential tasks.

2. Unit training management is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of Commanders at all levels in order to accomplish their wartime missions. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, *Unit Training Management (UTM) Guide*, and form the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance understanding of the Systems Approach to Training used in T&R development and Marine Corps UTM principles.

3. The Marine Corps Combat Readiness Evaluation System (MCCRES) and the T&R program are inextricably linked. The events contained within the T&R syllabus provide the basis of individual and collective skills which enable units to satisfy the requirements as outlined in their applicable volume of the MCCRES.

**101. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS****1. COMBAT CAPABLE STAGE**

<u>EVENT</u>	<u>TASK</u>
EMC-100	Provide Emergency Medical Care.
SFF-110	Engage emergencies and suppress structural fires.
HAZMAT-120	Provide Hazardous Materials Initial Response.
AFF-130	Engage aircraft emergencies and suppress aircraft fires.

**2. COMBAT READY STAGE**

<u>EVENT</u>	<u>TASK</u>
NATOPS-200	Locate mishap site on a grid map.
NATOPS-201	Identify characteristics of a type/model/series aircraft.
NATOPS-202	Supervise a Hazardous Material response.
NATOPS-203	Perform emergency operations involving ordnance.
NATOPS-204	Establish emergency airfield communications requirements.
ADMIN-210	Manage MIMMS on ARFF related equipment.

ADMIN-211	Review and/or revise ARFF related directives.
ADMIN-212	Manage ARFF related programs.
ADMIN-213	Prepare and submit budget requirements to maintain ARFF equipment and operations.
OPS-220	Supervise aircraft emergencies and suppression of aircraft fires.
OPS-221	Supervise structural emergencies and suppression of structural fires.
OPS-222	Supervise aircraft salvage operations.
OPS-223	Establish ARFF/Structural personnel and equipment requirements at a Forward Operating Base.
OPS-224	Establish ARFF organizational procedures for Base Recovery After Attack (BRAAT).

3. COMBAT QUALIFICATION STAGE

<u>EVENT</u>	<u>TASK</u>
ADMIN-310	Review and/or revise ARFF related directives.
ADMIN-311	Prepare and submit Group/Wing budget requirements to maintain and support ARFF equipment and operations.
ADMIN-312	Establish and/or revise Memoranda of Understanding (MOU), Memoranda of Agreement (MOA) and Letters of Instruction (LOI) with Host Nation/local emergency services agencies.
OPS-320	Establish ARFF/Structural personnel and equipment requirements at multiple Forward Operating Bases.
OPS-321	Identify ARFF personnel and equipment requirements for TAVB flight deck operations.

4. FULL-COMBAT QUALIFICATION STAGE

<u>EVENT</u>	<u>TASK</u>
ADMIN-410	Prepare and submit Program Objective Memorandum (POM) budget to maintain and support future Marine Corps ARFF requirements.
ADMIN-411	Establish personnel maintenance requirements for ARFF equipment associated with Maritime Prepositioning Force (MPF).
OPS-420	Identify the ARFF personnel and equipment requirements associated with a dual Major Regional Conflict (MRC) operation.
OPS-421	Conduct a site survey of an airfield and determine aircraft and structural fire fighting personnel and equipment requirements.



**102. UNIT TRAINING POLICIES**

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual training serves as the building block for overall unit readiness. However, unit training must not be compromised for the training of a select few individuals. Squadron and battalion commanding officers will ensure that this training philosophy is implemented. Unit training must predominate, and squadrons must tailor their training plans to ensure unit combat readiness.

2. The training of Marines to perform as an integral aviation unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform those critical skills required in combat is essential.

3. Commanders shall ensure that all tactical training is conducted to MCCRES standard. The MCCRES, as outlined in MCO P3501.1, is the unit training standard, and all syllabus events shall be tailored to meet MCCRES requirements. Commanders at all levels are responsible for effective aviation training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be overemphasized.

4. Commanders must be cognizant of the numerous factors affecting unit training on a daily basis. Factors which all commanders must address include, but are not limited to:

a. Efficiency. Time and resources expended are measurements for training efficiency. Commanders must ensure that all training increases combat readiness. Unit personnel shall thoroughly plan and effectively execute training to maximize the return on their time and effort.

b. Individual Differences. Commanders must recognize the differences inherent in each individual and should mold flexible training programs to accommodate those differences.

c. Decentralization of Training. The lowest echelon possible shall be responsible for conducting training. Each senior level of command must monitor subordinate levels to ensure safe and efficient training.

5. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit.

6. Risk Management. Operational Risk Management (ORM) is a process to aid commanders in accomplishing their missions while protecting the force. Commanders, leaders, maintainers, planners, and schedulers should integrate risk assessment in the decision making process and implement hazard controls to eliminate risk or reduce it to acceptable level.

**103. EMERGENCY SERVICES TRAINING PROGRESSION PHILOSOPHY**

1. The Emergency Services Officer (MOS 7002) Training Progression philosophy is designed to develop a proficient and full-combat capable Emergency Services Officer.

2. At the 100 level (entry-level), the Emergency Services Officer is exposed to basic Fire Protection Fundamentals, Emergency Medical Care, Structural Firefighting Principles, Hazardous Material and Airport Fire Fighting. During

this segment of the Training Progression, the officer will become familiar with mission requirements and equipment required to provide emergency response services.

3. At the 200 level, the Emergency Services Officer applies the skills and information learned in the 100-level events (entry-level school). The training progresses incrementally, introducing task oriented training, resident schools, and certifications levels. The 200 level training culminates with qualifications as an Incident Commander and certification as Fire Officer II and III. This qualification and certification will help the officer integrate, supervise, and manage emergency response services.

4. At the 300 level, the Emergency Services Officer is introduced to integration concepts and concerns that would be encountered in a contingency environment. Advanced operational planning and fiscal requirements are also introduced. The 300 level culminates with completion of Weapons Tactics Instructor Course and certification as a Fire Officer IV.

5. At the 400 level, the Emergency Services Officer is introduced to integration concepts and concerns that would be encountered in joint operational environment. This level of training will prepare the Emergency Services Officer for special assignment to high-level staff billets, such as MARFORLANT/PAC, ASL, and NAVAIRSYSCOM billets.

#### **104. TRAINING PROGRESSION MODEL FOR FIRE PROTECTION OFFICER**

1. The Training Progression Model for the Emergency Services Officer is depicted in figure 1-1.

2. This model depicts the **logical progression of qualifications** within a unit. The base of each model contains those qualifications an individual attains at the MOS-qualifying school. The highest tier of the progression model will contain those qualifications held by only the most experienced personnel within a unit.

3. The Combat Capable tier will, in most cases, be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.

4. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the Combat Ready tier, unit personnel move to the Combat Qualification tier.

5. The Combat Qualification tier is the portion of training that produces combat leaders and fully qualified crewmembers. The personnel that are being trained in the combat qualification tier are those Marines a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

6. The Full Combat Qualification tier contains special skills and qualifications - "Core Plus" skills. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but are those skills for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.

## 7002 FIRE PROTECTION OFFICER TRAINING PROGRESSION

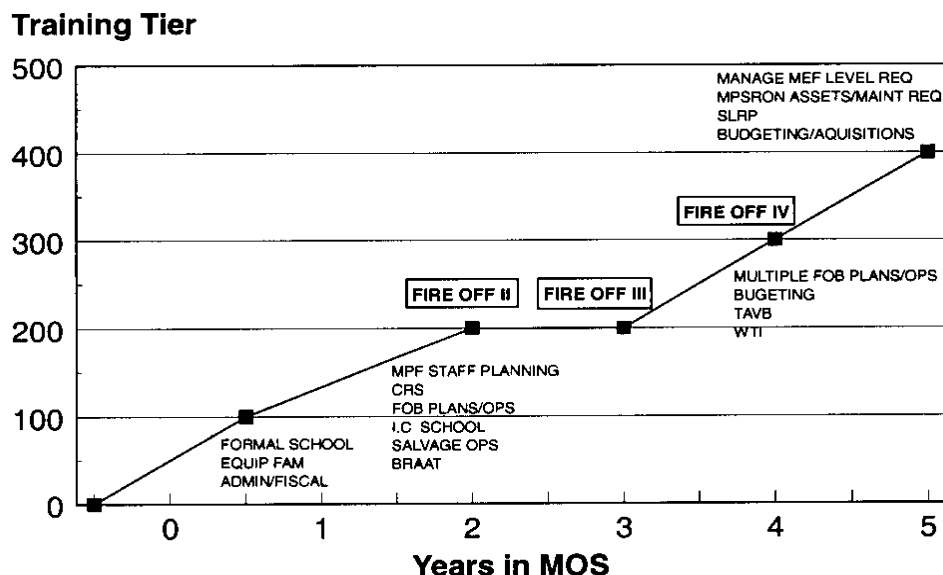


FIGURE 1-1 -- EMERGENCY SERVICES OFFICER Training Progression Model

7. In some cases, higher echelon supervisory position training and qualifications may be reflected where the development of a separate T&R syllabus is not practical or warranted. These personnel are the most experienced personnel within a unit. They are expected to display the maturity and tactical acumen commensurate with this status on a daily basis, and assist the commanding officer with oversight of the unit training program.

8. The unit's training progression model provides training officers with a valuable tool to develop training plans. With a clear progression of qualifications delineated, and an emphasis on the qualification of "combat capable" and "combat ready" personnel, training officers have the ability to produce viable training plans. Units will use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

### 105. SPECIAL DESIGNATIONS

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
52	FIRE OFFICER I	DoD FIRE SERVICES PROGRAM
52	FIRE OFFICER II	DoD FIRE SERVICES PROGRAM
52	FIRE OFFICER III	DoD FIRE SERVICES PROGRAM
52	FIRE OFFICER IV	DoD FIRE SERVICES PROGRAM
6	I.C. COMMAND CRS	DoD JOINT FIRE ACADEMY
13	WTI	MAWTS-1 MCAS YUMA, AZ
4	ACQUISITION MGMT CRS	DEF SYS MGMT COL FORT BELVOIR

**106. GROUND/ACADEMIC TRAINING**

1. Academic training shall be conducted for each phase/stage of the syllabus. The following lectures are strongly encouraged to be incorporated as part of a sound training plan. Where indicated, standardized academic training materials exist and may be obtained from the activity listed as the sponsor.

Lecture Code	Lecture Title	Sponsor
	<b>Proposed 200 Level: Combat Ready Training</b>	
	N/A - For future development	

	<b>Proposed 300 Level: Combat Qualified Training</b>	
	N/A - For future development	

	<b>Proposed 300 Level: Full-Combat Qualified Training</b>	
	N/A - For future development	

2. External academic courses of instruction required to complete the syllabus are listed below.

COURSE

ACTIVITY

MPF STAFF PLANNERS CRS

EWGTGLANT/PAC

**107. TRAINING REFERENCES**

1. The following training references shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation:

**TITLE**

NFPA 472  
 NFPA 1000 SERIES  
 NFPA 1500 SERIES  
 IFSTA Manuals  
 NAVAIR 00-80R-14  
 NAVAIR 00-80R-14-1  
 NAVAIR 00-80R-19  
 NAVAIR 00-80R-20  
 NAVAIR 00-80T-115  
 OSHA 29 CFR 1910.120q  
 TP-8022  
 MISTRIP  
 MILSTRAP  
 MCO 3501.17  
 MCO 4400

MCO 4700.15  
MCO P4790.2  
MCO 5100.8  
DoDI 6055.6  
MCO P7100.8  
OPNAVINST 5100.8  
OPNAVINST 5100.23  
ANSI 288.5 (1981)  
ARFF SOP  
FIRE BILL  
CRASH BILL  
BRAAT SOP  
OH-TAVB  
BLOUNT ISLAND COMMAND SOP  
OPERATIONAL PLANS  
TRI-MEF SOP  
MAWTS-1 SLRP CHECKLIST  
DOT EMS FIRST RESPONDER  
AMERICAN RED CROSS CPR STANDARDS  
AMERICAN HEART ASSOCIATION CPR STANDARDS  
Group/Wing ARFF SOP (Local)  
Group/Wing Fire Bill SOP (Local)  
Group/Wing Crash Bill (Local)

#### 108. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS

1. General. The majority of the Emergency Services Officer syllabus is ground training which requires in-depth integration within the MAW. Likewise, development of MAGTF training involving extensive integration with applicable elements of the MAGTF is mandatory in the development of a fully combat qualified Emergency Services Officer.

a. Live Training. Training event condition codes listed as L (live), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted without the aid of simulator devices. Training not conducted in the live training environment shall be replaced with simulation where applicable, as indicated in the condition code.

b. Simulator Training. Training event condition codes listed as S (simulator), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted in simulators when available and where applicable. Training not conducted in the simulators due to unavailability shall be replaced with live training where applicable as indicated in the condition code.

2. Minimum Performance Time for Syllabus "Write-Off"/Designations. Personnel may receive credit for successful completion of any syllabus requirement (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the commanding officer's discretion. Completion of 70 percent of any syllabus requirement (except qualifications) may be "certified" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation, and the designation signed by the commanding officer.

3. Evaluation of Training. Evaluation of those portions of the syllabus which are academic in nature will be conducted by either written/oral examination or a combination of the two means. Operational and system related subjects will be evaluated by practical application whenever possible. Performance evaluation to qualify for mission qualifications and designations

will be conducted per MCO P3500.14, Aviation T&R Manual, Volume 1, and the standardized evaluation forms provided by the MOS sponsor.

#### 109. COMPONENTS OF A T&R EVENT

1. General. An event contained within a T&R Manual is an individual or collective training standard and contains seven or eight components, dependent upon the tier in which it is contained:

##### POI-100    64.0    E    EQUIP    I

**TASK:** The title of a unit of work which needs to be done in the performance of a Marine's duties. It is clearly stated performance-oriented action requiring learned skills and knowledge.

**CONDITION(S):** The condition(s) set for the real-world or combat circumstances in which the tasks are to be performed. They indicate what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this should be stated.

**STANDARD(S):** The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement which identifies the proficiency level expected when the task is performed. It is not guidance - it is inviolate. Performance standards are specified in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc.

**PERFORMANCE STEP(S):** Listed for 100 level T&R events only. Performance steps are the actions or decisions required to fulfill proficiency established by the standard. The major performance steps which are required to perform the task to proficiency are listed in the order of performance. Minor steps are not listed.

**PREREQUISITE(S):** Provides a listing of academic training or other T&R events which must be completed prior to satisfying the task.

**REFERENCE(S):** Listing of doctrinal or reference publications which may assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion.

**ORDNANCE:** A listing of Ordnance types and quantities required to satisfy the task.

**EXTERNAL SUPPORT REQUIREMENT(S):** A listing or description of the external support requirements which may be required to satisfy completion of the task. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

**NOTES:** 1/ Events are coded per Appendix B of MCO P3500.14, Aviation T&R Manual Vol 1.

- 2/ Projected Event Duration is furnished as a planning tool.
- 3/ Denotes the applicable Program of Instruction (Basic POI is understood).
- 4/ An "E" indicates an Evaluated event.
- 5/ The equipment or activity subcategory is listed.
- 6/ Condition Code: **L** = live Training; **S** = simulator training; **L/S** = live preferred/simulator optional; **S/L** = simulator preferred/live optional; **N** = Night: **NS** = Night Vision Device. Where contained within ( ) denotes optional conditions.

#### 110. COMBAT CAPABLE TRAINING

1. Purpose. The purpose of the 100 level syllabus (entry-level) is to introduce the Emergency Services Officer to: Fire Protection Fundamentals, Emergency Medical Care, Structural Firefighting Principles, Hazardous Material and Airport Firefighting. During this level of training the officer will become familiar with mission requirements and associated equipment required to provide emergency response services.

a. General

(1) Administrative Notes. None

(2) Prerequisites. Fire Fighter must be given, and pass, a physical examination, in accordance with NFPA 1582, prior to completion of 100-level events.

c. Crew Requirements. None.

d. Academic Training. None.

e. Live and Simulator Event Training (4 Events, 525 Hours)

#### 2. Emergency Medical Care

<u>EMC-100</u>	<u>32.0</u>	<u>E</u>	<u>L</u>
----------------	-------------	----------	----------

TASK: Provide Emergency Medical Care.

CONDITION(S): Given a simulated victim of a medical or trauma situation, while wearing the proper personal protective equipment and provided the appropriate emergency medical equipment.

STANDARD(S): Per the DOT EMS First Responder and Current CPR standards as published by the American Red Cross and/or American Heart Association.

PREREQUISITE(S): None.

REFERENCE(S): DOT EMS First Responder and American Red Cross and/or American Heart Association CPR standards.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

### 3. Structural Fire Fighter

SFF-110      336.0                      E                      L

TASK: Engage emergencies and suppress structural fires.

CONDITION(S): As a member of a fire fighting team, given the required personal protective equipment and appropriate fire fighting tools.

STANDARD(S): Per current NFPA 1001, 1500, IFSTA essentials and NAVAIR-00-80R-14 requirements.

PREREQUISITE(S): None.

REFERENCE(S): NFPA 1001, 1500, IFSTA essentials and NAVAIR-00-80R-14.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

### 4. Hazardous Material Response

HAZMAT-120      48.0                      E                      L

TASK: Provide Hazardous Materials Initial Response.

CONDITION(S): As a member of a fire fighting team, given the required personal protective clothing and required tools.

STANDARD(S): Per OSHA 29 CFR 1910.120q, NFPA 472, and NAVAIR 00-80R-14.

PREREQUISITE(S): None.

REFERENCE(S): OSHA 29 CFR 1910.120q, NFPA 472, and NAVAIR 00-80R-14.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

### 5. Airport Fire Fighter

AFF-130      109                      E                      L

TASK: Engage aircraft emergencies and suppress aircraft fires.

CONDITION(S): As a member of a fire fighting team, given the proper personal protective clothing and fire fighting equipment.

STANDARD(S): Per NAVAIR 00-80R-14, NFPA 1003, and IFSTA manuals.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NFPA 1003 and IFSTA manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.



**111. COMBAT READY TRAINING**

1. Purpose. The purpose of the 200 level is to train the Emergency Services Officer to apply the skills and information learned previously in the 100/entry level school. The training will incrementally introduce task oriented training, resident schools, and acquisition of certifications.

a. General

(1) Administrative Notes. None.

(2) Prerequisites. None.

b. Crew Requirements. None.

c. Academic Training. During the course of 200-level training the officer will complete the Incident Command Course and MPF Staff Planning Course, and acquire Fire Officer II and III Certification and vehicle driving permit. Completion of courses and acquisition of Fire Officer II Certification will not exceed 24 months upon completing the DoD Joint Fire Fighting Academy. Acquisition of Fire Officer III Certification will not exceed 36 months.

d. Live and Simulator Event Training (14 Events, 39 Hours)

**2. NATOPS**

NATOPS-200      1.0

L

TASK: Locate mishap site on a grid map.

CONDITION(S): Given grid coordinates and appropriate grid map.

STANDARD(S): Per NAVAIR 00-80R-14.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS:

NATOPS-201      1.0

L

TASK: Identify characteristics of a type/model/series aircraft.

CONDITION(S): Given the appropriate reference manual.

STANDARD(S): Per NAVAIR 00-80R-14.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: Designated tenant aircraft.

L

L

L

L

1-13





CONDITION(S): As the Incident Commander, given the properly equipped personnel, fire fighting assets, and a scenario involving a structural emergency and/or fire.

STANDARD(S): Per NAVAIR 00-80R-14, NAVAIR 00-80R-14-1, NFPA 1500 series, and IFSTA manuals.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NAVAIR 00-80R-14-1, NFPA 1500 series, and IFSTA manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

OPS-222

4.0

L

TASK: Supervise aircraft salvage operations.

CONDITION(S): As the Incident Commander, given the properly equipped personnel, salvage assets, and a scenario involving aircraft salvage.

STANDARD(S): Per NAVAIR 00-80R-19, and NAVAIR 00-80R-20.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-19 and NAVAIR 00-80R-20.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: Heavy Equipment support and associated rigging equipment.

OPS-223

2.0

L

TASK: Establish ARFF/Structural personnel and equipment requirements at a Forward Operating Base.

CONDITION(S): Given the ACE Commander's concept of operations, airfield category, T/O and T/E.

STANDARD(S): Per NAVAIR 00-80R-14 and NAVAIR 00-80T-115.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14 and NAVAIR 00-80T-115.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

OPS-224

2.0

L

TASK: Establish ARFF organization procedures for Base Recovery After Attack (BRAAT).

CONDITION(S): Given the ACE Commander's list of priorities, BRAAT organization, concept of operations.

STANDARD(S): Per BRAAT SOP.

PREREQUISITE(S): None.

REFERENCE(S): BRAAT SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

## 112. COMBAT QUALIFICATION TRAINING

1. Purpose. The purpose of the 300-level phase of training is to introduce the Emergency Services Officer to integration concepts and concerns that would be encountered in a contingency environment. Advanced operational planning and fiscal requirements are also introduced.

### a. General

(1) Administrative Notes. None.

(2) Prerequisite. None.

### b. Crew Requirements. None.

c. Academic Training. During the course of 300-level training the officer will complete Weapons and Tactics Instructors (WTI) Course and acquire Fire Officer IV Certification. Completion of WTI and acquisition of Fire Officer IV Certification will not exceed 48 months upon completing the DoD Joint Fire Fighting Academy.

### d. Live and Simulator Event Training (5 Events, 27 Hours)

## 2. Administrative Procedures/Requirements

ADMIN-310                      6.0

L

TASK: Review and/or revise ARFF related directives.

CONDITION(S): Given Group/Wing Level ARFF SOP, Fire Bill, and Crash Bill.

STANDARD(S): Per NAVAIR 00-80R-14, NAVAIR 00-80T-115, Group/Wing ARFF SOP, Group/Wing Fire Bill, and Group/Wing Crash Bill.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NAVAIR 00-80T-115, Group/Wing SOP, Group/Wing Fire Bill, and Group/Wing Crash Bill.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

ADMIN-311                      8.0

L

TASK: Prepare and submit Group/Wing budget requirements to maintain and support ARFF equipment and operations.

CONDITION(S): Provided with squadron historical, current, and future budget requirements.

STANDARD(S): Per MCO P7100.8 (Field Budget Guidance) and Group/Wing SOP.

PREREQUISITE(S): None.

REFERENCE(S): MCO P1700.8 (Field Budget Guidance) and Group/Wing SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: Squadron historical, current, and future budget requirements.

ADMIN-312                    2.0

L

TASK: Establish and/or revise Memoranda of Understanding (MOU), Memoranda of Agreement (MOA) and Letters of Instruction (LOI) with Host Nation/local emergency services agencies.

CONDITION(S): Given authority to establish MOU/MOA/LOI, and Host Nation/Local emergency services agencies' assets and personnel.

STANDARD(S): Successfully integrate host nation/local emergency services agencies into MAGTF/ACE fire protection plan in accordance with DoDI 6055.6, NAVAIR 00-80R-14, NFPA, IFSTA, MCO 3501.17, and Local SOP.

PREREQUISITE(S): None.

REFERENCE(S): DoDI 6055.6, NAVAIR 00-80R-14, NFPA, IFSTA, MCO 3501.17, LOCAL SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: Host Nation/Local emergency services agencies' assets and personnel.

3. Operations

OPS-320                    10.0

L

TASK: Establish ARFF/Structural personnel and equipment requirements at multiple Forward Operating Bases.

CONDITION(S): Given the MAGTF or ACE Commanders concept of operations, airfield categories, Fixed/Rotary Wing T/O and T/E.

STANDARD(S): Per NAVAIR 00-80R-14 and NAVAIR 00-80T-115.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14 and NAVAIR 00-80T-115.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

OPS-321                    1.0

L

TASK: Identify ARFF personnel and equipment requirements for TAVB flight deck operations.

CONDITION(S): Given the duration of operations and sortie rate.

STANDARD(S): Per NAVAIR 00-80R-14 and Wing SOP.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14 and Wing SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

### 113. FULL COMBAT QUALIFICATION TRAINING

1. Purpose. The purpose of the 400-level phase of training is to introduce the Fire Protection Officer to integration concepts and concerns that would be encountered in a joint operational environment. This level of training will prepare the Emergency Services Officer for special assignment to MARFORLANT/PAC, ASL, and/or NAVAIRSYSCOM Billets.

a. General

(1) Administrative Notes. None.

(2) Prerequisite. Graduate of Weapon & Tactics Instructors Course.

b. Crew Requirements. None.

c. Academic Training. Prior to assignment, or within six months of assignment to a NAVAIR billet, the officer must attend the Acquisition Management Course at the Defense Systems Management College, Fort Belvoir, VA.

d. Live and Simulator Event Training (4 Events, 44 Hours)

### 2. Administrative Procedures/Requirements

ADMIN-410	N/A	E	L
-----------	-----	---	---

TASK: Prepare and submit Program Objective Memorandum (POM) budget to maintain and support future Marine Corps ARFF requirements.

CONDITION(S): Provided with MARFORLANT/PAC historical, current, and future operational and maintenance requirements.

STANDARD(S): Per MCO P7100.8

PREREQUISITE(S): None.

REFERENCE(S): MCO P7100.8

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

ADMIN-411	N/A	E	L
-----------	-----	---	---

TASK: Establish personnel maintenance requirements for ARFF equipment associated with Maritime Prepositioning Force (MPF).



CONDITION(S): Given the MPF maintenance cycle, Maritime Prepositioning Force (MPF) Objectives Manual, Memorandum of Agreement (MOA), Statement of Work (SOW), and Ship Diagrams.

STANDARD(S): Per Blount Island Command SOP.

PREREQUISITE(S): None.

REFERENCE(S): Blount Island Command SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

### 3. Operations

OPS-420

4.0

L

TASK: Identify the ARFF personnel and equipment requirements associated with a dual Major Regional Conflict (MRC) operation.

CONDITION(S): Given the MEF Commander's concept of operations, airfield categories, MAW T/O and T/E.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): Operational plans.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

OPS-421

40.0

L

TASK: Conduct a site survey of an airfield and determine aircraft and structural fire fighting personnel and equipment requirements.

CONDITION(S): As a member of a SLRP, given a SLRP checklist and ACE Commander's concept of operations, and proposed airfield.

STANDARD(S): Per MAWTS-1 SLRP checklist and TRI-MEF SOP.

PREREQUISITE(S): None.

REFERENCE(S): MAWTS-1 SLRP checklist and TRI-MEF SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

### 114. SPECIAL TRAINING REQUIREMENTS

- |                     |                                 |
|---------------------|---------------------------------|
| 1. HAZMAT T.T.      | DoD JOINT FIRE FIGHTING ACADEMY |
| 2. FIRE INSPECTOR   | DoD JOINT FIRE FIGHTING ACADEMY |
| 3. TECHNICAL RESCUE | DoD JOINT FIRE FIGHTING ACADEMY |

115. EXPENDABLE ORDNANCE REQUIREMENTS

ORDNANCE	100 SERIES	200 SERIES	300 SERIES	400 SERIES	IUT	ANNUAL
N/A						

AVIATION T&R MANUAL, VOLUME 7

EMERGENCY SERVICES OFFICER  
MOS 7002

STAGE	<u>EVENT</u> TRAINING CODE	HOURS	SUSTAINMENT INTERVAL MONTHS	CRP
<u>COMBAT CAPABLE TRAINING</u>				
EMC	100	32.0	N/A	10.0%
SFF	110	336.0	N/A	30.0%
HAZMAT	120	48.0	N/A	5.0%
AFF	130	109.0	N/A	15.0%
<b>TOTAL</b>		<b>525.0</b>		<b>60.0%</b>
<u>COMBAT READY TRAINING</u>				
NATOPS	200	1.0	3	1.0%
NATOPS	201	1.0	1	1.0%
NATOPS	202	3.0	12	1.5%
NATOPS	203	2.0	12	1.5%
NATOPS	204	4.0	12	1.0%
ADMIN	210	N/A	N/A	2.0%
ADMIN	211	6.0	12	1.0%
ADMIN	212	N/A	N/A	2.5%
ADMIN	213	10.0	6	1.0%
OPS	220	2.0	6	1.5%
OPS	221	2.0	6	1.5%
OPS	222	4.0	6	1.5%
OPS	223	2.0	12	1.5%
OPS	224	2.0	6	1.5%
<b>TOTAL</b>		<b>39.0</b>		<b>20.0%</b>
<u>COMBAT QUALIFICATION TRAINING</u>				
ADMIN	310	6.0	12	1.5%
ADMIN	311	8.0	6	2.0%
ADMIN	312	2.0	12	2.0%
OPS	320	10.0	12	3.0%
OPS	321	1.0	12	1.5%
<b>TOTAL</b>		<b>27.0</b>		<b>10.0%</b>
<u>FULL COMBAT QUALIFICATION TRAINING</u>				
ADMIN	410	N/A	N/A	1.5%
ADMIN	411	N/A	N/A	1.5%
OPS	420	4.0	12	2.0%
OPS	421	40.0	24	5.0%
<b>TOTAL</b>		<b>44.0</b>		<b>10.0%</b>

Figure 1-2 -- MOS 7002 Sustainment Interval, Combat Readiness Percentage  
EMERGENCY SERVICES OFFICER (MOS 7002) UPDATE CHAINING

<u>STAGE</u>	<u>EVENT</u>	<u>EVENTS UPDATED</u>
EMC	100	N/A
SFF	110	N/A
HAZMAT	120	N/A
AFF	130	N/A
NATOPS	200	N/A
NATOPS	201	N/A
NATOPS	202	N/A
NATOPS	203	N/A
NATOPS	204	N/A
ADMIN	210	N/A
ADMIN	211	N/A
ADMIN	212	ADMIN-210
ADMIN	213	ADMIN-210, ADMIN-212
OPS	220	NATOPS-200, NATOPS-201, NATOPS-202, NATOPS-203
OPS	221	NATOPS-200, NATOPS-201, NATOPS-202, NATOPS-203, OPS-220
OPS	222	NATOPS-201, NATOPS-202
OPS	223	ADMIN-211, NATOPS-204
OPS	224	ADMIN-211, OPS-223, NATOPS-204
ADMIN	310	ADMIN-211
ADMIN	311	ADMIN-213
ADMIN	312	ADMIN-211, OPS-224, ADMIN-310
OPS	320	NATOPS-204, OPS-223
OPS	321	N/A
ADMIN	410	ADMIN-213, ADMIN-311
ADMIN	411	N/A
OPS	420	OPS-223, OPS-320, OPS-321
OPS	421	OPS-223, NATOPS-204, OPS-320, ADMIN-312

Figure 1-3 -- Emergency Services Officer Training Update Chaining

# AVIATION T&R MANUAL, VOLUME 7

## CHAPTER 2

### EXPEDITIONARY AIRFIELD SERVICES OFFICER

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## 200. INTRODUCTION

1. The purpose of the Marine Aviation Training and Readiness (T&R) program is to provide the commander with standardized programs of instruction for all aviation personnel. The goal is to develop unit warfighting capabilities, not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective T&R program is the first step in providing the MAGTF Commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat readiness. Using these tools, unit training managers can construct and execute an effective training plan which supports the unit's mission essential tasks.

2. Unit training management is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of Commanders at all levels to accomplish their wartime missions. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, Unit Training Management Guide, and form the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance understanding of the Systems Approach to Training used in T&R development and Marine Corps UTM principles.

3. The Marine Corps Combat Readiness Evaluation System (MCCRES) and the T&R program are inextricably linked. The events contained within the T&R syllabus provide the basis of individual and collective skills which enable units to satisfy the requirements as outlined in their applicable volume of the MCCRES.

## 201. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS

### 1. COMBAT CAPABLE STAGE

<u>EVENT</u>	<u>TASK</u>
T&E-100	Identify EAF tools, equipment and their purpose.
T&E-101	Operate EAF power tools and equipment.
T&E-102	Maintain EAF tools and equipment.
MMGT-103	Identify and explain the purpose and routing of VIDS/MAF.
MMGT-104	Draw a flow chart identifying an EAF organizational structure.
COMM-105	Identify components of the AN/PRC-139 EAF communication system.
COMM-106	Assemble and operate AN/PRC-139 EAF communication system.
COMM-107	Demonstrate hand and arm signals used for EAF operations.
MPF-108	Verbally explain the MPF program, the role of EAF in the MPF program, and EAF components currently aboard MPS.
AM2-109	Identify AM-2 matting and accessories and explain their function.

AM2-110	Install AM-2 matting and accessories in a 96' X 96' VTOL pad configuration.
AM2-111	Identify the various AM-2 matting aircraft operating surfaces.
AFLM-112	Identify and explain the function of EAF lighting components.
AFLM-113	Install EAF lighting components.
FLOLS-114	Set up a FLOLS.
MCEAG-115	Identify the major components of the M-21 arresting gear system and explain its function.
MCEAG-116	Install Marine Corps expeditionary arresting gear.
MCEAG-117	Operate Marine Corps expeditionary arresting gear.
MCEAG-118	Perform "I" level maintenance on the M-21 arresting gear retrieve and arrester engine.
E28-119	Identify the major components of the E-28 arresting gear system and explain their function.
E28-120	Operate E-28 arresting gear.
E28-121	Perform "O" level maintenance on E-28 arresting gear system.

## 2. COMBAT READY STAGE

<u>EVENT</u>	<u>TASK</u>
MMGT-200	Manage EAF organizational and intermediate level maintenance programs to include production control, tool control, calibration, oil analysis, NDI, TPL, QA, and Safety.
AM2-201	Design an EAF to support a force list.
AM2-202	Conduct a site survey for an AM-2 matting installation to support a force list.
AM2-203	Manage installation of AM-2 matting to support a force list.
AM2-204	Inspect and manage the maintenance of an AM-2 matting installation.
AM2-205	Manage the removal and repackaging of AM-2 matting accessories.
FLOLS-206	Survey and prepare site for FLOLS installation.
FLOLS-207	Manage the installation of a FLOLS.
FLOLS-208	Manage the maintenance of the FLOLS.
AFLM-209	Manage the installation of EAF lighting components.

MCEAG-210	Conduct survey for M-21 arresting gear installation.
MCEAG-211	Manage the installation of M-21 arresting gear.
MCEAG-212	Manage operation of M-21 arresting gear.
MCEAG-213	Manage organizational and intermediate maintenance of operational M-21 arresting gear system.
MCEAG-214	Manage the inspection and preparation of M series packages.
E28-215	Manage the operation of E-28 arresting gear.
E28-216	Manage the maintenance of E-28 arresting gear.
MPF-217	Identify EAF assets and capabilities aboard MPS.

### 3. COMBAT QUALIFICATION STAGE

<u>EVENT</u>	<u>TASK</u>
OPS-300	Coordinate personnel and equipment requirements in support of current operational plans.
OPS-301	Manage EAF assets distribution and accountability through validation of EAF assets report.
OM&N-302	Identify fiscal requirements to support the EAF program.
SLRP-303	Participate as a member of a SLRP, and conduct a site survey of an airfield and determine EAF requirements.
AM2-304	Coordinate logistic support for installation and maintenance of AM-2 matting.
TRNG-305	Evaluate and monitor training of EAF personnel.
MCEAG-306	Coordinate logistics support for M-21 arresting gear installation, operation and maintenance.
FLOLS-307	Coordinate logistics support for FLOLS installation, operation and maintenance.
AFLM-308	Coordinate logistics support for airfield lighting installation, operation and maintenance.
CERT-309	Perform an "Expeditionary Certification."
BRIEF-310	Prepare and present briefing on EAF capabilities.

### 4. FULL COMBAT QUALIFICATION TRAINING

<u>EVENT</u>	<u>TASK</u>
ADMIN-400	Manage EAF personnel requirements in support of a Marine Aircraft Wing.



INSP-401	Coordinate and conduct a Functional Area Inspection (FAI) of EAF personnel and equipment at subordinate units.
OPS-402	Manage Marine Aircraft Wing TBA assets in support of contingency and training operations.
OPS-403	Review and update operational plans and TPFDD as it pertains to EAF participation and joint operations.
SLRP-404	Coordinate and participate as a member of a SLRP and conduct a site survey of an airfield to determine EAF requirements.
MPF-405	Coordinate the employment and maintenance of EAF assets aboard MPS.
EASU-406	Manage EASU and mobile training team support for an EAF organization.
CERT-407	Authorize expeditionary certification, approve/disapprove certification and review certification reports.
RRR-408	Demonstrate proficiency in BRAAT and RRR related operations and knowledge of BRAAT and RRR procedures.

## 202. UNIT TRAINING POLICIES

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual training serves as the building block for overall unit readiness. However, unit training must not be compromised for the training of a select, few individuals. Squadron and battalion commanding officers will ensure that this training philosophy is implemented. Unit training must predominate, and squadrons must tailor their training plans to ensure unit combat readiness.

2. The training of Marines to perform as an integral aviation unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform those critical skills required in combat is essential.

3. Commanders shall ensure that all tactical training is conducted to a MCCRES standard. The MCCRES, as outlined in MCO P3501.1, is the unit training standard, and all syllabus events shall be tailored to meet MCCRES requirements. Commanders at all levels are responsible for effective aviation training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be overemphasized.

4. Commanders must be cognizant of the numerous factors affecting unit training on a daily basis. Factors which all commanders must address include, but are not limited to:

a. Efficiency. Time and resources expended are measurements for training efficiency. Commanders must ensure that all training increases combat readiness. Unit personnel shall thoroughly plan and effectively execute training to maximize the return on their time and effort.

b. Individual Differences. Commanders must recognize the differences inherent in each individual and should mold flexible training programs to accommodate those differences.

c. Decentralization of Training. The lowest echelon possible shall be responsible for conducting training. Each senior level of command must monitor subordinate levels to ensure safe and efficient training.

5. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by this Manual. Attendance of formal courses must enhance the warfighting capabilities of the unit.

6. Risk Management. Operational Risk Management (ORM) is a process to aid commanders in accomplishing their missions while protecting the force. Commanders, leaders, maintainers, planners, and schedulers should integrate risk assessment in the decision making process and implement hazard controls to eliminate risk or reduce it to acceptable level.

#### 203. EXPEDITIONARY AIRFIELD SERVICES OFFICER TRAINING PROGRESSION PHILOSOPHY

1. The purpose of this training program is to standardize EAF Officer (MOS 7002) training syllabi throughout the Marine Corps, and to specify performance requirements for installation, operation, maintenance and certification of Aeronautical EAF equipment. This program prescribes certain events, tasks to be accomplished during each event, and the refly factor for skill retention. The Expeditionary Airfield NATOPS Manual and equipment technical manuals provide the information to accomplish these tasks.

2. The EAF Officer training syllabus consists of formal schools, in-service training and deployments that are designed to provide trained officer technicians that can plan, and supervise, the installation, operation, maintenance, and certification of EAF systems and equipment. The EAF Officer will assist in the development of Forward Operating Airbases in support of Marine forces and joint operations.

3. During the Combat Ready tier of the syllabus, the EAF Officer will operate and maintain Expeditionary Airfield Equipment in support of fixed/rotary wing aircraft operations.

4. During the Combat Capable tier of the syllabus, the EAF Officer will plan and supervise the deployment, installation, operation, and maintenance of EAF equipment for fixed wing and rotary wing aircraft. Maintenance will include organizational and intermediate level maintenance and troubleshooting.

5. During the Full Combat Qualification tier of the syllabus, the EAF Officer will design Expeditionary Airfields, coordinate the movement of EAF equipment for use on operations and supervise the installation of EAF equipment to meet certification criteria.

#### 204. EXPEDITIONARY AIRFIELD SERVICES OFFICER TRAINING PROGRESSION MODEL

1. The Training Progression Model for the Expeditionary Airfield Services Officer is depicted in figure 2-1.

2. This model depicts the **logical progression of qualifications** within a unit. The base of each model contains those qualifications an individual attains at the MOS-qualifying school. The highest tier of the progression model will contain those qualifications held by only the most experienced personnel within a unit.

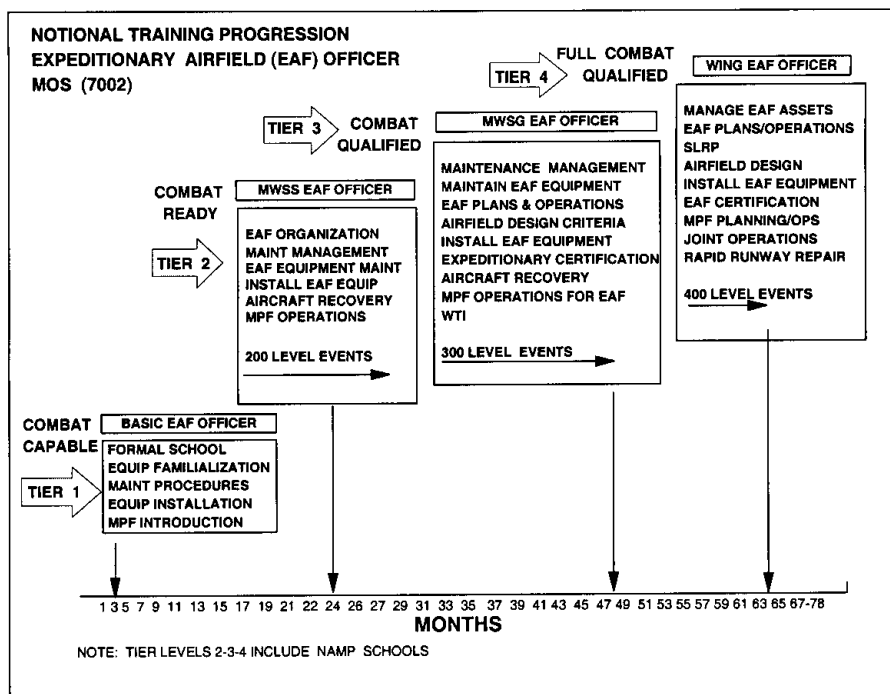


Figure 2-1 - Expeditionary Airfield Services Officer Training Progression Model

3. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make the Marine proficient in core competencies. With successful completion of the Combat Ready tier, unit personnel move to the Combat Qualification tier.

4. The Combat Qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel that are being trained in the combat qualification tier are those Marines a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

5. The Full Combat Qualification tier will contain special skills, and qualifications - "Core Plus" skills. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but instead are those skills for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.

6. In some cases, higher echelon supervisory position training and qualifications may be reflected where the development of a separate T&R syllabus is not practical or warranted. These personnel are the most experienced personnel within a unit. They are expected to display the maturity and tactical acumen commensurate with this status on a daily basis, and assist the commanding officer with oversight of the unit training program.

7. The unit's training progression model provides training officers with a valuable tool to develop training plans. With a clear progression of qualifications delineated, and an emphasis on the qualification of "combat capable" and "combat ready" personnel, training officers have the ability to produce viable training plans. Units will use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

## 205. GROUND/ACADEMIC TRAINING

1. Academic training shall be conducted for each phase/stage of the syllabus. The following lectures are strongly encouraged to be incorporated as part of a sound training plan. Where indicated, standardized academic training materials exist and may be obtained from the activity listed as the sponsor.

Lecture Code	Lecture Expeditionary Airfield services Officer	sponsor
	Proposed 200 Level: Combat Ready Training	
	N/A - For future development	

	Proposed 300 Level: Combat Qualified Training	
	N/A - For future development	

2. External academic courses of instruction required to complete the syllabus are listed below.

### COURSE

### ACTIVITY

None

## 206. TRAINING REFERENCES

1. The following training references shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation:

### EXPEDITIONARY AIRFIELD SERVICES OFFICER

Local Inspection Criteria	NAVAIR 51-5-35
NAVAIR 51-60A-1	NAVAIR 51-5A-1
LOCAL SOP	NAVAIR 51-5A-3
T.O. 31R2-2PRC139-1	OPNAVINST 4790.2
NAWCCADLKE-MISC-48J200-0028	DDR-06-IS-0048
DDR-51-208	NAEC-51-8120
NAVAIR-51-40ABA-7	DDR-06-IS-0061
NAEC-91-7994	NAVAIR-51-40-ABA-7.1
NAVAIR-51-40-ABA-15	MRC MIP 4922/RF8-34
NAVAIR-51-40-ABA-14	NAVAIR-51-5EAA-2
MRC MIP 5861/R37-49	MRC MIP 5861/R36-10
MRC MIP 5861/R35-33	ARB 45-12 SERIES
MRC MIP 5861/R28-44	NAVAIR-51-5-31
MPF OBJECTIVES MANUAL	NAVAIR-00-35T-37-4

NAVAIRINSTR 4440.10	AIRTASK NAVAIR FORM 3930/1
NAVAIR-00-80T-115	MCO 3500.22
NAWCADLKE-DDR-48J200-007	NAWCADLKE-MISC-48J200-0018
NAWCADLKE-MISC-48J200-0010	NAWCADLKE-DDR-48J200-0027
NAWCADLKE-MISC-48J200-0011	NAWCADLKE-MISC-48J200-0CR1
FAI CHECKLIST	SLRP CHECKLIST
NAVAIRINST 13800.12	DDR-91-1201 (D)
ARB 46-12L	DDR-06-IS-0061
T/O 8600, 8702 AND 8703	M-21 ARB 45-12 Series
BRATT SOP	Local SOP

## 207. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS

1. General. The majority of the Expeditionary Airfield Services Officer syllabus is ground training which requires in-depth integration within the MAW. Likewise, development of MAGTF training involving extensive integration with applicable elements of the MAGTF is mandatory in the development of a fully combat qualified Expeditionary Airfield Services Officer.

a. Live Training. Training event condition codes listed as **L** (live), **L/S** (live preferred/simulator optional), and **S/L** (simulator preferred/live optional) in this syllabus designate training to be conducted without the aid of simulator devices. Training not conducted in the live training environment shall be replaced with simulation where applicable as indicated in the condition code.

b. Simulator Training. Training event condition codes listed as **S** (simulator), **L/S** (live preferred/simulator optional), and **S/L** (simulator preferred/live optional) in this syllabus designate training to be conducted in simulators when available and where applicable. Training not conducted in the simulators due to unavailability shall be replaced with live training where applicable as indicated in the condition code.

3. Minimum Performance Time for Syllabus "Write-Off"/Designations. Personnel may receive credit for successful completion of any syllabus requirement (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the commanding officer's discretion. Completion of 70 percent of any syllabus requirement (except qualifications) may be "certified" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation, and the designation signed by the commanding officer.

4. Evaluation of Training. Evaluation of those portions of the syllabus which are academic in nature will be conducted by either written/oral examination or a combination of the two means. Operational and system related subjects will be evaluated by practical application means whenever possible. Performance evaluation to qualify for mission qualifications and designations will be conducted per MCO P3500.14, Aviation T&R Manual, Volume 1, and the standardized evaluation forms provided by the MOS sponsor.

## 208. COMPONENTS OF A T&R EVENT

1. General. An event contained within a T&R manual is an Individual or collective training standard and contains seven or eight components, dependent on the tier in which they are contained:

1/ <b><u>SAM-XXX</u></b>	2/ <b><u>0.5</u></b>	3/ <b><u>T,C,R, E</u></b>	4/ <b><u>EQUIP</u></b>	5/ <b><u>L/S (NS)</u></b>
-----------------------------	-------------------------	------------------------------	---------------------------	------------------------------

**TASK:** The title of a unit of work which needs to be done in the performance of a Marine's duties. It is a clearly stated performance-oriented action requiring learned skills

and knowledge, i.e., Engage a rotary winged aircraft.

**CONDITION(S):** The condition(s) set for the real-world or combat circumstances in which the tasks are to be performed. They indicate what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this should be stated.

**STANDARD(S):** The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement which identifies the proficiency level expected when the task is performed. It is not guidance, it is inviolate. Performance standards are specified in terms of accuracy, speed, sequencing, quality of performance, and adherence to procedural guidelines, etc.

**PERFORMANCE STEP(S):** Listed for 100 level T&R events only. Performance steps are the actions or decisions required to fulfill proficiency established by the standard. The major performance steps which are required to perform the task to proficiency are listed in the order of performance. Minor steps are not listed.

**PREREQUISITE(S):** Provides a listing of academic training or other T&R events which must be completed prior to satisfying the task.

**REFERENCE(S):** Listing of doctrinal or reference publications which may assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion.

**ORDNANCE:** A listing of Ordnance types and quantities required to satisfy the task.

**EXTERNAL SUPPORT REQUIREMENT(S):** A listing or description of the external support requirements which may be required to satisfy completion of the task. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

NOTES:

- 1/ Events are coded per Appendix B of MCO P3500.14, Aviation T&R Manual, Vol 1.
- 2/ Projected Event Duration is furnished as a planning tool.
- 3/ Denotes the applicable Program of Instruction (Basic POI is understood).
- 4/ An "E" indicates an Evaluated event.
- 5/ The equipment or activity subcategory is listed.
- 6/ Condition Code: **L** = live Training; **S** = simulator training; **L/S** = live preferred/simulator optional;

S/L = simulator preferred/live optional; N = Night;  
NS = Night Vision Device: Where contained within ( )  
denotes optional conditions.

209. COMBAT CAPABLE TRAINING

1. Purpose. The purpose of this tier of training is to teach the basic Expeditionary Airfield Officer the basics of the EAF program. During this segment of the syllabus, the EAF Officer will operate, maintain and install Expeditionary Airfield Equipment in support of fixed/rotary wing aircraft operations.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (21 Events, 177.5 Hours)

2. Tools and Equipment

T&E-100                      8.0                      E                      L

TASK: Identify EAF tools, equipment and their purpose.

CONDITION(S): Without the aid of references, and given the tools and equipment contained in the F-70, F-58 and L-95 packages.

STANDARD(S): Per NAVAIR 51-60A-1 and NAVAIR 51-5-35.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1 and NAVAIR 51-5-35.

ORDNANCE: None.

T&E-101                      8.0                      E                      L

TASK: Operate EAF power tools and equipment.

CONDITION(S): Under supervision, and given the shop SOP and the following tools:

- (a) Earth auger.
- (b) Jackhammer.
- (c) K-12 saw.
- (d) Air/pneumatic drill and crimper.
- (e) Saving breaker.
- (f) Load locker.

STANDARD(S): Per NAVAIR 51-5A-3, Local SOP and NAVAIR 51-60A-1.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5A-3, Local SOP and NAVAIR 51-60A-1.

ORDNANCE: None.

T&E-102

3.0                      E                      L

TASK: Maintain EAF tools and equipment.

CONDITION(S): As an EAF Crewmember, and with the aid of references.

STANDARD(S): Per NAVAIR 51-5A-3 and NAVAIR 51-60A-1.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5A-3 and NAVAIR 51-60A-1.

ORDNANCE: None.

3. Maintenance Management

MMGT-103

3.0                      E                      L

TASK: Identify and explain the purpose and routing of VIDS/MAF.

CONDITION(S): Without the aid of references and given VIDS/MAF.

STANDARD(S): Per OPNAVINST 4790.2.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 4790.2.

ORDNANCE: None.

MMGT-104

1.5                      E                      L

TASK: Draw a flow chart identifying an EAF organizational structure.

CONDITION(S): Without the aid of references.

STANDARD(S): Per local SOP.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): Local SOP.



ORDNANCE: None.

#### 4. Communications

COMM-105

3.0            E            L

TASK: Identify components of the AN/PRC-139 EAF communication system.

CONDITION(S): Without the aid of references and given an AN/PRC-139 EAF communication system.

STANDARD(S): Per T.O. 31R2-2PRC139-1.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): T.O. 31R2-PRC139-1.

ORDNANCE: None.

COMM-106

1.5            E            L

TASK: Assemble and operate PRC-139 EAF communication system.

CONDITION(S): Without the aid of references and given a PRC-139 EAF communication system.

STANDARD(S): Per T.O. 31R2-2PRC139-1.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): T.O. 31R2-2PRC139-1.

ORDNANCE: None.

COMM-107

1.0            E            L

TASK: Demonstrate hand and arm signals used for EAF operations.

CONDITION(S): Without the aid of references.

STANDARD(S): Per NAVAIR 00-80T-115 and local SOP.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80T-115 and LOCAL SOP.

ORDNANCE: None.

#### 5. Maritime Prepositioning Force (MPF)

MPF-1080.5EL

TASK: Verbally explain the MPF program, the role of EAF in the MPF program, and EAF components currently aboard MPS.

CONDITION(S): Without the aid of references.

STANDARD(S): Per NAWCADLKE-MISC-48J200-0028.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAWCADLKE-MISC-48J200-0028.

ORDNANCE: None.

6. Airfield Surfacing (AM-2 MATTING)

AM2-1093.0EL

TASK: Identify AM-2 matting and accessories and explain their function.

CONDITION(S): Without the aid of references and given AM-2 matting and accessories (AM-2 Matting keylock, anchoring devices, connectors and hold back anchor).

STANDARD(S): Per NAVAIR 51-60A-1.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1.

ORDNANCE: None.

AM2-11024.0EL

TASK: Install AM-2 matting and accessories in a 96' X 96' VTOL pad configuration.

CONDITION(S): With the aid of references and as an EAF Crewmember, given the necessary material, tools and equipment.

STANDARD(S): Per NAVAIR 51-60A-1, DDR 06-Is-0048, NAVAIR 51-5A-3, DDR 51-208.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1, DDR 06-Is-0048, NAVAIR 51-5A-3, DDR 51-208.

ORDNANCE: None.

AM2-111

1.5                      E                      L

TASK: Identify the various AM-2 matting aircraft operating surfaces.

CONDITION(S): Without the aid of references, and given airfield diagrams.

STANDARD(S): Per NAEC 51-8120 and NAVAIR 51-60A-1.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAEC 51-8120 and NAVAIR 51-60A-1.

ORDNANCE: None.

## 7. Airfield Lighting and Marking

AFLM-112

8.0                      E                      L

TASK: Identify and explain the function of EAF lighting components.

CONDITION(S): Without the aid of references, and given the following EAF lighting components: runway light, taxiway lights, approach lights, obstruction lights, rotation lights, threshold lights, rotating beacon, circling guidance lights, field marker lights, and Minimum Operating Strip lighting (MOSKIT).

STANDARD(S): Per NAVAIR 51-40ABA-7 and DDR-06-IS-0061.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-40ABA-7 and DDR-06-IS-0061.

ORDNANCE: None.

AFLM-113

24.0                      E                      L

TASK: Install EAF lighting components.

CONDITION(S): With the aid of references and as an EAF lighting Crewmember, given the necessary material, tools and equipment.

STANDARD(S): Per NAVAIR 51-40ABA-7, DDR-06-IS-0061, NAEC 91-7994(B) and NAVAIR 51-40ABA-7.1.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-40ABA-7, DDR-06-IS-0061, NAEC 91-7994(B) NAVAIR 51-40ABA-7.1.

ORDNANCE: None.

8. Fresnel Lens Optical Landing System (FLOLS)FLOLS-1141.5                      E                      L

TASK: Set up a FLOLS.

CONDITION(S): With the aid of references, a power source and a Fresnel Lens.

STANDARD(S): Per NAVAIR 51-40-ABA-14, NAVAIR 51-40-ABA-15 and MRC MIS 4922/RF8-34.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-40-ABA-14, NAVAIR 51-40-ABA-15 and MRC MIS 4922/RF8-34.

ORDNANCE: None.

9. M-21 Marine Corps Expeditionary Arresting GearMCEAG-11524.0                      E                      L

TASK: Identify the major components of the M-21 arresting gear system and explain its function.

CONDITION(S): Without the aid of references and given the M-21 arresting gear.

STANDARD(S): Per NAVAIR 51-5EAA-2, MRC MIS 5861/R37-49, 5861/R36-10, and 5861/R35-33.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRC MIS 5861/R37-49, 5861/R36-10, and 5861/R35-33.

ORDNANCE: None.

MCEAG-11624.0                      E                      L

TASK: Install Marine Corps expeditionary arresting gear.

CONDITION(S): With the aid of references, as a runway crewmember, and given a pre-determined site and the M-21 arresting gear.

STANDARD(S): Per NAVAIR 51-5EAA-2, MRC MIS 5861/R37-49, 5861/R36-10 and 5861/R35-33.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRC MIS 5861/R37-49, 5861/R36-10 and 5861/R35-33.

ORDNANCE: None.

MCEAG-117

3.0            E            L

TASK: Operate Marine Corps expeditionary arresting gear.

CONDITION(S): As a runway crewmember, with the aid of references and an installed M-21 arresting gear.

STANDARD(S): Per NAVAIR 51-5EAA-2, MRC MIP 5861/R37-49, 5861/R36-10, M-21 Aircraft Recovery Bulletin 45-12 series and 5861/R35-33.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRC MIP 5861/R37-49, 5861/R36-10, and 5861/R35-33, M-21 Aircraft Recovery Bulletin 45-12 series.

ORDNANCE: None.

MCEAG-118

24.0            E            L

TASK: Perform "I" level maintenance on the M-21 arresting gear retrieve and arrester engine.

CONDITION(S): As a maintenance crewmember, with the aid of references, and given the M-21 arresting gear retrieve and arrester engine.

STANDARD(S): Per NAVAIR 51-5EAA-2, MRC MIs 5861/R37-49, 5861/R36-10, and 5861/R35-33.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRC MIs 5861/R37-49, 5861/R36-10, and 5861/R35-33.

ORDNANCE: None.

# 10. E-28 Arresting Gear

E28-119

8.0            E            L

TASK: Identify the major components of the E-28 arresting gear system and explain their function.

CONDITION(S): Without the aid of references and given an E-28 arresting gear.

STANDARD(S): Per NAVAIR 51-5-31, MRC MIP 5861/R28-44.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5-31, MRC MIP 5861/R28-44.

ORDNANCE: None.

E28-120

3.0            E            L

TASK: Operate E-28 arresting gear.

CONDITION(S): As a runway crewmember with the aid of references, given an installed E-28 arresting gear system.

STANDARD(S): Per NAVAIR 51-5-31, MRC MIP 5861/R28-44, ARB 46-12L.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5-31, MRC MIP 5861/R28-44.

ORDNANCE: None.

E28-121

24.0            E            L

TASK: Perform "O" level maintenance on E-28 arresting gear system.

CONDITION(S): As a maintenance crewmember, with the aid of references, and provided E-28 arresting gear system.

STANDARD(S): Per MRC MIP 5861/R28-44, NAVAIR 51-5-31.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): MRC MIP 5861/R28-44, NAVAIR 51-5-31.

ORDNANCE: None.

## 210. COMBAT READY TRAINING

1. Purpose. The purpose of this tier of training is to develop the EAF Officer's proficiency. During this segment of the syllabus, the EAF Officer will manage the operation maintenance and installation of EAF equipment in support of fixed/rotary wing aircraft operations.

### a. General.

(1) Administrative Notes. None.

(2) Prerequisite. None.

### b. Crew Requirements. None.

### c. Academic Training. None.

### d. Live and Simulator Event Training (218 Events, 33 Hours)

## 2. Maintenance Management

MMGT-200E      L

TASK: Manage EAF organizational and intermediate level maintenance programs, to include production control, tool control, calibration, oil analysis, NDI, TPL, QA, and safety.

CONDITION(S): With the aid of references.

STANDARD(S): Per OPNAVINST 4790.2.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 4790.2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

### 3. Airfield Surfacing (AM-2 MATTING)

AM2-2018.0      E      L

TASK: Design an Expeditionary Airfield to support a force list.

CONDITION(S): With the aid of references, and given an aviation force list.

STANDARD(S): Per NAVAIR 51-60A-1, DDR 06-IS-0048, DDR 51-208.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1, DDR 06-IS-0048, DDR 51-208.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

AM2-2028.0      E      L

TASK: Conduct a site survey for an AM-2 matting installation to support a force list.

CONDITION(S): With the aid of references, a pre-determined site, and an aviation force list.

STANDARD(S): Per NAVAIR 51-60A-1, DDR 06-IS-0048, DDR 51-208.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1, DDR 06-IS-0048, DDR 51-208.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Surveyor.

AM2-203E     L

TASK: Manage installation of AM-2 matting to support a force list.

CONDITION(S): With the aid of references, necessary materials, tools, equipment, and an aviation force list.

STANDARD(S): Per NAVAIR 51-60A-1, DDR 06-IS-0048, DDR 51-208.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1, DDR 06-IS-0048, DDR 51-2084.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

AM2-204E     L

TASK: Inspect and manage the maintenance of an AM-2 matting installation.

CONDITION(S): With the aid of references, an existing AM-2 matting installation, and necessary tools, materials and equipment.

STANDARD(S): Per NAVAIR 51-60A-1, DDR 06-IS-0048, DDR 51-208.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1, DDR 06-IS-0048, DDR 51-208.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

AM2-205E     L

TASK: Manage the removal and repackaging of AM-2 matting accessories.

CONDITION(S): At an existing AM-2 matting installation, given the necessary tools and equipment, and with the aid of references.

STANDARD(S): Per NAVAIR 51-60A-1, DDR 06-IS-0048, DDR 51-208 and NAVAIR 51-60A-1.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1, DDR 06-IS-0048, DDR 51-208 and NAVAIR 51-60A-1.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.



4. Fresnel Lens Optical Landing System (FLOLS)

FLOLS-206

8.0 E L

TASK: Survey and prepare site for FLOLS installation.

CONDITION(S): Given an existing airfield, with the aid of references, necessary material, tools and equipment.

STANDARD(S): Per NAVAIR 51-40-ABA-14, NAVAIR 51-40-ABA-15 and MRC MIs 4922/RF8-34.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-40-ABA-14, NAVAIR 51-40-ABA-15 and MRC MIs 4922/RF8-34.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Surveyor.

FLOLS-207

E L

TASK: Manage the installation of a Fresnel Lens Optical Landing System (FLOS).

CONDITION(S): With the aid of references, given a prepared site, FLOLS, a power source and necessary tools and equipment.

STANDARD(S): Per NAVAIR 51-40-ABA-14, NAVAIR 51-40-ABA-15 and MRC MIs 4922/RF8-34.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-40-ABA-14, NAVAIR 51-40-ABA-15 and MRC MIs 4922/RF8-34.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Surveyor and Heavy Equipment.

FLOLS-208

E L

TASK: Manage the maintenance of the FLOLS.

CONDITION(S): Given an existing FLOLS installation and with the aid of references.

STANDARD(S): Per NAVAIR 51-40-ABA-14, NAVAIR 51-40-ABA-15, MRC MIs 4922/RF8-34 and OPNAVINST 4790.2 series.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-40-ABA-14, NAVAIR 51-40-ABA-15 and MRC MIs 4922/RF8-34, OPNAVINST 4790.2 series.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

#### 4. Airfield Lighting

AFLM-209

E      L

TASK: Manage the installation of EAF lighting components.

CONDITION(S): With the aid of references, and as a Crewmember, given the necessary material, tools and equipment.

STANDARD(S): Per NAVAIR 51-40-ABA-7, DDR-06-IS-0061, NAEC 91-7994(B) NAVAIR 51-40-ABA-7.1.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-40-ABA-7, DDR-06-IS-0061, NAEC 91-7994(B), NAVAIR 51-40-ABA-7.1.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

#### 5. Marine Corps Expeditionary Arresting Gear

MCEAG-210

8.0      E      L

TASK: Conduct survey for M-21 arresting gear installation.

CONDITION(S): At an existing airfield or roadway, given an M-21 arresting gear system, and the references.

STANDARD(S): Per NAVAIR 51-5EAA-2, MRC MIs 5861/R37-49, 5861/R36-10 and 5861/R35-33.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRC MIs 5861/R37-49, 5861/R36-10, and 5861/R35-33.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Surveyor.

MCEAG-211

E      L

TASK: Manage the installation of M-21 arresting gear.

CONDITION(S): Given a pre-determined site, M-21 arresting gear system, and appropriate references.

STANDARD(S): Per NAVAIR 51-5EAA-2, MRC MIs 5861/R37-49, 5861/R36-10 and 5861/R35-33, NAVAIR 51-5A-3.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRC MIs 5861/R37-49, 5861/R36-10 and 5861/R35-33.

ORDNANCE: GW-67 (40 ea.), ML-107/M-130 (40 ea.).

EXTERNAL SUPPORT REQUIREMENT(S): Surveyor and Heavy Equipment.

MCEAG-212

E      L

TASK: Manage operation of M-21 arresting gear.

CONDITION(S): Given the appropriate references, an installed M-21 arresting gear site.

STANDARD(S): Per NAVAIR 51-5EAA-2, MRC MIs 5861/R37-49, 5861/R36-10, M-21 Aircraft Recovery Bulletin 45-12 series, and 5861/R35-33.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRC MIs 5861/R37-49, 5861/R36-10, M-21 Aircraft Recovery Bulletin 45-12 series and 5861/R35-33.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

MCEAG-213

E      L

TASK: Manage organizational and intermediate maintenance of operational M-21 arresting gear system.

CONDITION(S): Given the appropriate references and an installed M-21 arresting gear site.

STANDARD(S): Per NAVAIR 51-5EAA-2, MRC MIs 5861/R37-49, 5861/R36-10, M-21 Aircraft Recovery Bulletin 45-12 series, and 5861/R35-33.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRC MIs 5861/R37-49, 5861/R36-10, 5861/R35-33 OPNAVINST 4790.2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

MCEAG-214

E      L

TASK: Manage the inspection and preparation of M series packages.

CONDITION(S): Given the appropriate references and M-21 arresting gear packages.

STANDARD(S): NAVAIR 51-5EAA-2.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

6. E-28 Emergency Arresting Gear

E28-215

E      L

TASK: Manage the operation of E-28 arresting gear.

CONDITION(S): Given the appropriate references and an installed E-28 arresting gear site.

STANDARD(S): Per NAVAIR 51-5-31, MRC MIS 5861/R28-44, ARB 46-12L.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5-31, MRC MIS 5861/R28-44, ARB 46-12L.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

E28-216

E      L

TASK: Manage the maintenance of E-28 arresting gear.

CONDITION(S): Given the appropriate references and an installed E-28 arresting gear site.

STANDARD(S): Per NAVAIR 51-5-31, MRC MIS 5861/R28-44, and ARB 46-12L.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5-31, MRC MIS 5861/R28-44, ARB 46-12L.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

7. Maritime Prepositioning Force (MPF)

MPF-217

1.0      E      L

TASK: Identify EAF assets and capabilities aboard MPS.

CONDITION(S): Given the MPF Objectives Manual.

STANDARD(S): Per NAWCADLKE-MISC-48J200-0028 and the MPF Objectives Manual.

PREREQUISITE(S): None.

REFERENCE(S): NAWCADLKE-MISC-48J200-0028 and the MPF Objectives Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

211. COMBAT QUALIFICATION TRAINING

1. Purpose. The purpose of this tier of training is to refine proficiency of the EAF Officer. During this segment of the syllabus, the EAF Officer will plan and supervise the deployment, installation, operation and maintenance of EAF equipment for fixed wing and rotary wing aircraft. Maintenance will include organizational and intermediate level maintenance and troubleshooting.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. During the course of 300 level training the Marine will complete Weapons and Tactics Instructors (WTI) course.

d. Live and Simulator Event Training (11 Events, 142 Hours)

2. Expeditionary Airfield Operations

OPS-300                      3.0                      E                      L

TASK: Coordinate personnel and equipment requirements in support of current operational plans.

CONDITION(S): Given an Operational Plan, Time Phased Force Deployment Data (TPFDD) and Training, Exercise and Employment Plan (TEEP).

STANDARD(S): None.

PREREQUISITE(S): None.

REFERENCE(S): None.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S) None.

OPS-301                      8.0                      E                      L

TASK: Manage EAF assets distribution and accountability through validation of EAF assets report.

CONDITION(S): Given the EAF assets report and Table of Basic Allowances.

STANDARD(S): Per NAVAIR 00-35T-37-4 and NAVAIRINST 4440.10.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-35T-37-4, NAVAIRINST 4440.10.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S) None.

### 3. Fiscal Management

OM&N-302            3.0            E            L

TASK: Identify fiscal requirements to support the EAF program.

CONDITION(S): Given an Air Task, fiscal input and a local TEEP.

STANDARD(S): Per Air Task and TEEP.

PREREQUISITE(S): None.

REFERENCE(S): Air Task (NAVAIR form 3930/1) and local TEEP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

### 4. Survey Liaison and Reconnaissance Party (SLRP)

SLRP-303            40.0            E            L

TASK: Participate as a member of a SLRP and conduct a site survey of an airfield and determine EAF requirements.

CONDITION(S): As a member of a SLRP and given a SLRP checklist and concept of operations.

STANDARD(S): Per NAVAIR 00-80T-115 and SLRP Checklist.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80T-115 and SLRP Checklist.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S) None.

### 5. Airfield Surfacing (AM-2 MATTING)

AM2-304            24.0            E            L

TASK: Coordinate logistic support for installation and maintenance of AM-2 matting.

CONDITION(S): Given the commander's intent and per local SOP.

STANDARD(S): Local SOP.

PREREQUISITE(S): None.

REFERENCE(S): Local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

6. Training

TRNG-305

24.0     E     L

TASK: Evaluate and monitor training of EAF personnel.

CONDITION(S): Given Training and Readiness standards and current SAV/FAI checklists.

STANDARD(S): Per MCO 3500.22 and local inspection criteria.

PREREQUISITE(S): None.

REFERENCE(S): MCO 3500.22, local inspection criteria.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

7. Marine Corps Expeditionary Arresting Gear

MCEAG-306

8.0     E     L

TASK: Coordinate logistics support for M-21 arresting gear installation, operation and maintenance.

CONDITION(S): Given the commander's intent and in accordance with local SOP.

STANDARD(S): Per local SOP.

PREREQUISITE(S): None.

REFERENCE(S): Local SOP.

ORDNANCE: GW-67 (40 ea), ML-107/M-130 (40 ea).

EXTERNAL SUPPORT REQUIREMENT(S): None.

8. Fresnel Lens Optical Landing System (FLOLS)

FLOLS-307

8.0     E     L

TASK: Coordinate logistics support for FLOLS installation, operation and maintenance.

CONDITION(S): Given the commander's intent and per local SOP.

STANDARD(S): Per local SOP.

PREREQUISITE(S): None.

REFERENCE(S): Local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

9. Airfield Lighting

AFLM-308            8.0            E            L

TASK: Coordinate logistics support for airfield lighting installation, operation and maintenance.

CONDITION(S): Given the commander's intent and per local SOP.

STANDARD(S): Per local SOP.

PREREQUISITE(S): None.

REFERENCE(S): Local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

10. Expeditionary Certification

CERT-309            8.0            E            L

TASK: Perform an "Expeditionary Certification."

CONDITION(S): Having installed one of the following: (1) AM-2 matting, (2) M21 arresting gear, (3) Fresnel Lens Optical Landing System, or (4) Airfield marking and lighting, and with the assistance of Expeditionary Airfield Services Unit representatives.

STANDARD(S): Per NAVAIR 51-5EAA-2, NAVAIR 51-5A-3, NAVAIRINST 13800.12B, NAWCADLKE MISC-48J200-0021, NAWCADLKE MISC-48J200-0011, NAVAIR 51-60A-1, NAVAIR 51-5A-1, NAVAIR 51-40-ABA-14.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 515EAA-2, NAVAIR 51-5A-3, NAVAIRINST 13800.12B, NAWCADLKE MISC-48J200-0021, NAWCADLKE MISC-48J200-0011, NAVAIR 51-60A, NAVAIR 51-5A-1 and NAVAIR 51-40-ABA-14.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Expeditionary Airfield Services Unit representatives.

11. Expeditionary Airfield Capabilities

BRIEF-310            8.0            E            L

TASK: Prepare and present briefing on EAF capabilities.

CONDITION(S): Given references, commander's intent, and geographical situation.



STANDARD(S): Per NAWCADLKE-MISC-48J200-0028,  
NAWCADLKE-DDR-48J200-0027, NAWCADLKE-MISC-48J200-0018,  
NAWCADLKE-MISC-48J200-0010.

PREREQUISITE(S): None.

REFERENCE(S): NAWCADLKE-MISC-48J200-0028,  
NAWCADLKE-DDR-48J200-0027, NAWCADLKE-MISC-48J200-0018,  
NAWCADLKE-MISC-48J200-0010.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

## 212. FULL COMBAT QUALIFICATION TRAINING

1. Purpose. The purpose of this tier of training is to give the EAF Officer special MOS enhancement skills. During this segment of the syllabus, the EAF Officer will design Expeditionary Airfields, coordinate the movement of EAF equipment for use on operations, and supervise the installation of EAF equipment to meet certification criteria.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and simulator Event Training (9 Events, 88 Hours)

## 2. Management

ADMIN-400

E L

TASK: Manage EAF personnel requirements in support of a Marine Aircraft Wing.

CONDITION(S): Given tables of organization for a Marine Aircraft Wing, fixed wing Support Squadron and a rotary wing support squadron.

STANDARD(S): Per T/O 8600, 8702 and 8703.

PREREQUISITE(S): None.

REFERENCE(S): T/O 8600, 8702 and 8703.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

INSP-401

24.0 E L

TASK: Coordinate and conduct a Functional Area Inspection (FAI) of EAF personnel and equipment at subordinate units.

CONDITION(S): Given an FAI checklist.

STANDARD(S): Per local procedures and current FAI checklist.

PREREQUISITE(S): None.

REFERENCE(S): FAI checklist and local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

### 3. Operations

#### OPS-402

E      L

TASK: Manage Marine Aircraft Wing TBA assets in support of contingency and training operations.

CONDITION(S): Given commander's intent and the Table of Basic Allowances for EAF equipment.

STANDARD(S): Per commander's intent and NAVAIR 00-35T-37-4.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-35T-37-4.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

#### OPS-403

E      L

TASK: Review and update operational plans and TPFDD as it pertains to EAF participation and joint operations.

CONDITION(S): Given current Operations Plan and commander's intent.

STANDARD(S): Per local SOP.

PREREQUISITE(S): None.

REFERENCE(S): Local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

### 4. Survey Liaison and Reconnaissance Party (SLRP)

#### SLRP-404

40.0      E      L

TASK: Coordinate and participate as a member of a SLRP and conduct a site survey of an airfield to determine EAF requirements.

CONDITION(S): As a member of a SLRP deployed to an airfield and given a SLRP checklist and concept of operations.

STANDARD(S): Per NAVAIR 00-80T-115 and SLRP checklist.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80T-115, SLRP checklist.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

5. Maritime Prepositioning Force (MPF)

MPF-405

E L

TASK: Coordinate the employment and maintenance of EAF assets aboard MPP.

CONDITION(S): Given MPF objectives and the commander's intent.

STANDARD(S): Per MPF objectives and NAWCADLKE-MISC-48J200-0028.

PREREQUISITE(S): None.

REFERENCE(S): MPF objectives, NAWCADLKE-MISC-48J200-0028.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

6. Expeditionary Airfield Service (EASU) Support

EASU-406

E L

TASK: Manage EASU and mobile training team support for an EAF organization.

CONDITION(S): Provided NAWC EASU representative and Wing certification and training requirements.

STANDARD(S): Per NAVAIRINST 13800.12.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIRINST 13800.12.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

7. Expeditionary Certification

CERT-407

8.0 E L

TASK: Authorize expeditionary certification, approve/disapprove certification and review certification reports.

CONDITION(S): Receive a request for expeditionary certification and a certification report.

STANDARD(S): Per NAVAIRINST 13800.12.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIRINST 13800.12.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

8. Base Recovery After Attack Training (BRAAT) and Rapid Runway Repair (RRR)

RRR-408 16.0

E

L

TASK: Demonstrate proficiency in BRAAT and RRR related operations and knowledge of BRAAT and RRR procedures.

CONDITION(S): Be assigned to a BRAAT or RRR exercise.

STANDARD(S): Per BRAAT SOP, WTI, DDR 91-1201(D).

PREREQUISITE(S): None.

REFERENCE(S): BRAAT SOP, WTI, DDR 91-1201(D).

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

213. SPECIAL TRAINING REQUIREMENTS

1. None.

214. EXPENDABLE ORDNANCE REQUIREMENTS

BASIC/TRANSITION/CONVERSION/REFRESHER

ORDNANCE	100 SERIES	200 SERIES	300 SERIES	400 SERIES	IUT	ANNUAL
GW-67	20	40				60
ML-07/M-130	20	40				60

AVIATION T&R MANUAL, VOLUME 7

<b>EAF</b>	<b>MOS:</b> 7002	<b>POSITION:</b> EAF Services Officer
<b>STAGE</b>	<b>SUSTAINMENT</b>	<b>CONDITIONS &amp;</b>
<b>EVENT TRAINING CODE</b>	<b>HRs</b>	<b>INTERVAL (MONTHS)</b>
	<b>CRPs</b>	<b>REMARKS</b>

**COMBAT CAPABLE TRAINING**

T&E	100	8.0	None.	2.0%
T&E	101	8.0	None.	2.0%
T&E	102	3.0	None.	2.0%
MMGT	103	3.0	None.	1.5%
MMGT	104	1.5	None.	4.0%
COMM	105	3.0	None.	1.5%
COMM	106	1.5	None.	1.5%
COMM	107	1.0	None.	2.0%
MPF	108	0.5	None.	2.5%
AM2	109	3.0	None.	1.5%
AM2	110	24.0	None.	6.0%
AM2	111	1.5	None.	1.5%
AFLM	112	8.0	None.	2.0%
AFLM	113	24.0	None.	5.0%
FLOLS	114	1.5	None.	4.0%
MCEAG	115	24.0	None.	6.0%
MCEAG	116	24.0	None.	4.0%
MCEAG	117	3.0	None.	1.5%
MCEAG	118	24.0	None.	3.0%
E28	119	8.0	None.	2.0%
E28	120	3.0	None.	2.0%
E28	121	2.5	None.	2.5%
<b>TOTALS</b>		<b>177.5</b>		<b>60.0%</b>

**COMBAT READY TRAINING**

MMGT	200	None.	None.	1.0%
AM2	201	8.0	12.0	1.0%
AM2	202	8.0	12.0	1.0%
AM2	203	None.	12.0	1.0%
AM2	204	None.	12.0	1.0%
AM2	205	None.	12.0	1.0%
FLOLS	206	8.0	12.0	1.0%
FLOLS	207	None.	12.0	1.0%
FLOLS	208	None.	None.	1.0%
AFLM	209	None.	12.0	1.0%
MCEAG	210	8.0	12.0	1.5%
MCEAG	211	None.	24.0	1.5%
MCEAG	212	None.	24.0	1.5%
MCEAG	213	None.	24.0	1.5%
MCEAG	214	None.	12.0	2.0%
E28	215	None.	None.	0.5%
E28	216	None.	None.	0.5%
MPF	217	1.0	30.0	1.0%
<b>TOTALS</b>		<b>33.0</b>		<b>20.0%</b>

AVIATION T&R MANUAL, VOLUME 7

**EAF** **MOS:** 7002 **POSITION:** EAF Services Officer

STAGE	SUSTAINMENT		CONDITIONS &
EVENT TRAINING CODE	HRS	INTERVAL (MONTHS)	REMARKS

**COMBAT QUALIFICATION TRAINING**

OPS	300	3.0	None.	0.5%
OPS	301	8.0	12.0	1.0%
OM&N	302	3.0	6.0	0.5%
SLRP	303	40.0	36.0	2.0%
AM2	304	24.0	12.0	1.0%
TRNG	305	24.0	12.0	1.0%
MCEAG	306	8.0	12.0	1.0%
FLOLS	307	8.0	12.0	1.0%
AFLM	308	8.0	12.0	0.5%
CERT	309	8.0	12.0	1.0%
BRIEF	310	8.0	12.0	0.5%
<b>TOTALS</b>		<b>142.0</b>		<b>10.0%</b>

**FULL-COMBAT QUALIFICATION TRAINING**

ADMIN	400	None.	None.	1.0%
INSP	401	24.0	12.0	1.5%
OPS	402	None.	None.	1.0%
OPS	403	None.	12.0	1.0%
SLRP	404	40.0	24.0	1.5%
MPF	405	None.	30.0	1.0%
EASU	406	None.	12.0	1.0%
CERT	407	8.0	12.0	1.0%
BRAAT/RRR	408	16.0	36.0	1.0%
<b>TOTALS</b>		<b>88.0</b>		<b>10.0%</b>

Figure 2-2 - Expeditionary Airfield Services Officer Event Refry Interval,  
Combat Readiness Percentage

MOS: 7002 EAF SERVICES OFFICER EVENT UPDATE CHAINING

<u>EVENT</u>	<u>EVENTS UPDATED</u>
200	
201	
202	
203	
204	
205	
206	
207	
208	
209	
210	
211	
212	
213	
214	
215	
216	
217	
300	
301	
302	
303	
304	211, 213
305	
306	210, 211
307	206, 207, 208
308	208
309	
310	
400	300
401	305
402	301
403	300
404	303
405	217
406	
407	
408	

Figure 2-3 - Expeditionary Airfield Services Officer Training  
Update Chaining

# AVIATION T&R MANUAL, VOLUME 7

## CHAPTER 3

### EXPEDITIONARY AIRFIELD TECHNICIAN

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**300. INTRODUCTION**

1. The purpose of the Marine Aviation Training and Readiness (T&R) program is to provide the commander with standardized programs of instruction for all aviation personnel. The goal is to develop unit warfighting capabilities, not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective Training and Readiness (T&R) program is the first step in providing the MAGTF Commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat readiness. Using these tools, unit training managers can construct and execute an effective training plan which supports the unit's mission essential tasks.

2. Unit training management is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of Commanders at all levels to accomplish their wartime missions. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, Unit Training Management Guide, and formed the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance understanding of the Systems Approach to Training used in T&R development and Marine Corps UTM principles.

3. The Marine Corps Combat Readiness Evaluation System (MCCRES) and the T&R program are inextricably linked. The events contained within the T&R syllabus provide the basis of individual and collective skills which enable units to satisfy the requirements as outlined in their applicable volume of the MCCRES.

**301. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS****1. COMBAT CAPABLE STAGE**

<u>EVENT</u>	<u>TASK</u>
T&E-100	Identify EAF tools, equipment and their purpose.
T&E-101	Operate EAF power tools and equipment.
T&E-102	Maintain EAF tools and equipment.
MMGT-103	Identify and explain the purpose and routing of VIDS/MAF.
MMGT-104	Identify EAF organizational structure by drawing a flow chart.
COMM-105	Identify all components of an AN/PRC-139 EAF communication system.
COMM-106	Assemble and operate an AN/PRC-139 EAF communication system.
COMM-107	Demonstrate hand and arm signals used for EAF operations with 100% accuracy.
MPF-108	Verbally explain the MPF program, the role of EAF in the MPF program, and EAF components currently aboard MPS.
AM2-109	Identify AM-2 matting and accessories and explain their functions.

AM2-110	Install AM-2 matting and accessories in a 96' X 96' VTOL pad configuration.
AM2-111	Identify the various AM-2 matting aircraft operating surfaces.
AFLM-112	Identify and explain the function of EAF lighting components.
AFLM-113	Install EAF lighting components.
FLOLS-114	Set up a FLOLS.
MCEAG-115	Identify the major components of the M-21 arresting gear system and explain their functions.
MCEAG-116	Install Marine Corps expeditionary arresting gear.
MCEAG-117	Operate Marine Corps expeditionary arresting gear.
MCEAG-118	Perform I level maintenance on M-21 arresting gear retrieve and arrester engine.
E28-119	Identify the major components of the E-28 arresting gear system and explain their functions.
E28-120	Operate E-28 arresting gear.
E28-121	Perform Organizational level maintenance on the E-28 arresting gear system.

## 2. COMBAT READY STAGE

<u>EVENT</u>	<u>TASK</u>
T&E-200	Employ tools and equipment during AM-2 matting installation.
T&E-201	Conduct tool box inventory.
MMGT-202	Complete a VIDS/MAF form.
COMM-203	Program six frequencies into the AN/PRC-139(C).
COMM-204	Perform proper recharge procedures for AN/PRC-139(C).
COMM-205	Demonstrate proper care and accountability of the AN/PRC-139(C).
MPF-206	Load mat packages on a flatrack for shipment on MPS.
AM2-207	Install AM-2 matting and accessories.
AM2-208	Perform a maintenance inspection on an AM-2 matting installation.
AM2-209	Remove and repackage AM-2 matting and accessories.
AM2-210	State the three patterns of AM-2 mat lay.

AFLM-211	Install EAF lighting components.
FLOLS-212	Perform Fresnel Lens Optical Landing System (FLOLS) pre-operational inspection.
FLOLS-213	Perform scheduled FLOLS inspections.
MCEAG-214	Install the MCEAG.
MCEAG-215	Operate the MCEAG.
MCEAG-216	Maintain the MCEAG.
MCEAG-217	Inspect and prepare MCEAG packages for shipment.
MCEAG-218	Perform each position of MCEAG operations.
MCEAG-219	Perform MCEAG pre-operational inspection.
MCEAG-220	Perform MCEAG post-operational inspection.
E28-221	Operate E-28 arresting gear.
E28-222	Maintain E-28 arresting gear.

### 3. COMBAT QUALIFICATION STAGE

<u>EVENT</u>	<u>TASK</u>
MMGT-300	Perform the duties of the work center supervisor.
MMGT-301	Perform the duties of Technical Publication Librarian (TPL).
MPF-302	Explain in detail EAF assets available aboard Maritime Prepositioning Squadrons 2 and 3.
AM2-303	Design an EAF.
AM2-304	Supervise site survey for an AM-2 matting installation.
AM2-305	Supervise AM-2 matting installation and accessories.
AM2-306	Supervise the removal and repackaging of AM-2 matting and accessories.
AM2-307	Supervise a maintenance inspection on a AM-2 matting installation.
FLOLS-308	Supervise FLOLS pre-operational inspection.
FLOLS-309	Supervise scheduled FLOLS inspections.
AFLM-310	Supervise EAF lighting components installation.
MCEAG-311	Supervise MCEAG installation.
MCEAG-312	Supervise MCEAG operations.
MCEAG-313	Supervise MCEAG maintenance.

MCEAG-314	Inspect and prepare MCEAG packages for shipment.
MCEAG-315	Perform duties of the runway crewleader.
MCEAG-316	Supervise MCEAG pre-operational inspection.
MCEAG-317	Supervise MCEAG post-operational inspection.
E28-318	Supervise E-28 arresting gear operations.
E28-319	Supervise E-28 arresting gear maintenance.

4. FULL-COMBAT QUALIFICATION STAGE

<u>EVENT</u>	<u>TASK</u>
OPS-400	Coordinate personnel and equipment requirements in support of current operational plans.
OPS-401	Manage EAF assets distribution and accountability.
MMGT-402	Identify fiscal requirements to support the EAF program.
SLRP-403	Participate as a member of a SLRP, conduct a site survey of an airfield, and determine EAF requirements.
AM2-404	Coordinate logistical support for installation and maintenance of AM-2 matting.
TRNG-405	Evaluate and monitor training of EAF personnel.
MCEAG-406	Coordinate logistical support for M-21 arresting gear installation, operation, and maintenance.
FLOLS-407	Coordinate logistical support for FLOLS installation, operation, and maintenance.
AFLM-408	Coordinate logistical support for airfield lighting installation, operation, and maintenance.
CERT-409	Perform an "Expeditionary Certification."
BRIEF-410	Prepare and present briefing on EAF capabilities.

302. UNIT TRAINING POLICIES

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual training serves as the building block for overall unit readiness. However, unit training must not be compromised for the training of a select, few individuals. Squadron and battalion commanding officers will ensure that this training philosophy is implemented. Unit training must predominate, and squadrons must tailor their training plans to ensure unit combat readiness.

2. The training of Marines to perform as an integral aviation unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform those critical skills required in combat is essential.

3. Commanders shall ensure that all tactical training is conducted to a MCCRES standard. The MCCRES, as outlined in MCO P3501.1, is the unit training standard, and all syllabus events shall be tailored to meet MCCRES requirements. Commanders at all levels are responsible for effective aviation training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be overemphasized.

4. Commanders must be cognizant of the numerous factors affecting unit training on a daily basis. Factors which all commanders must address include, but are not limited to:

a. Efficiency. Time and resources expended are measurements for training efficiency. Commanders must ensure that all training increases combat readiness. Unit personnel shall thoroughly plan and effectively execute training to maximize the return on their time and effort.

b. Individual Differences. Commanders must recognize the differences inherent in each individual and should mold flexible training programs to accommodate those differences.

c. Decentralization of Training. The lowest echelon possible shall be responsible for conducting training. Each senior level of command must monitor subordinate levels to ensure safe and efficient training.

5. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit.

6. Risk Management. Operational Risk Management (ORM) is a process to aid commanders in accomplishing their missions while protecting the force. Commanders, leaders, maintainers, planners and schedulers should integrate risk assessment in the decision making process and implement hazard controls to eliminate risk or reduce it to acceptable level.

### 303. EXPEDITIONARY AIRFIELD (EAF) TECHNICIAN TRAINING PROGRESSION PHILOSOPHY

1. EAF Technician training begins at the Expeditionary Airfield Equipment M1 School and continues in the Operating Forces, Station units, and additional schools. EAF Technicians will complete the Combat Ready, Combat Qualification and Full Combat Qualification portions of the training syllabus during assignment to Operating Forces' and Stations' EAF/Recovery units.

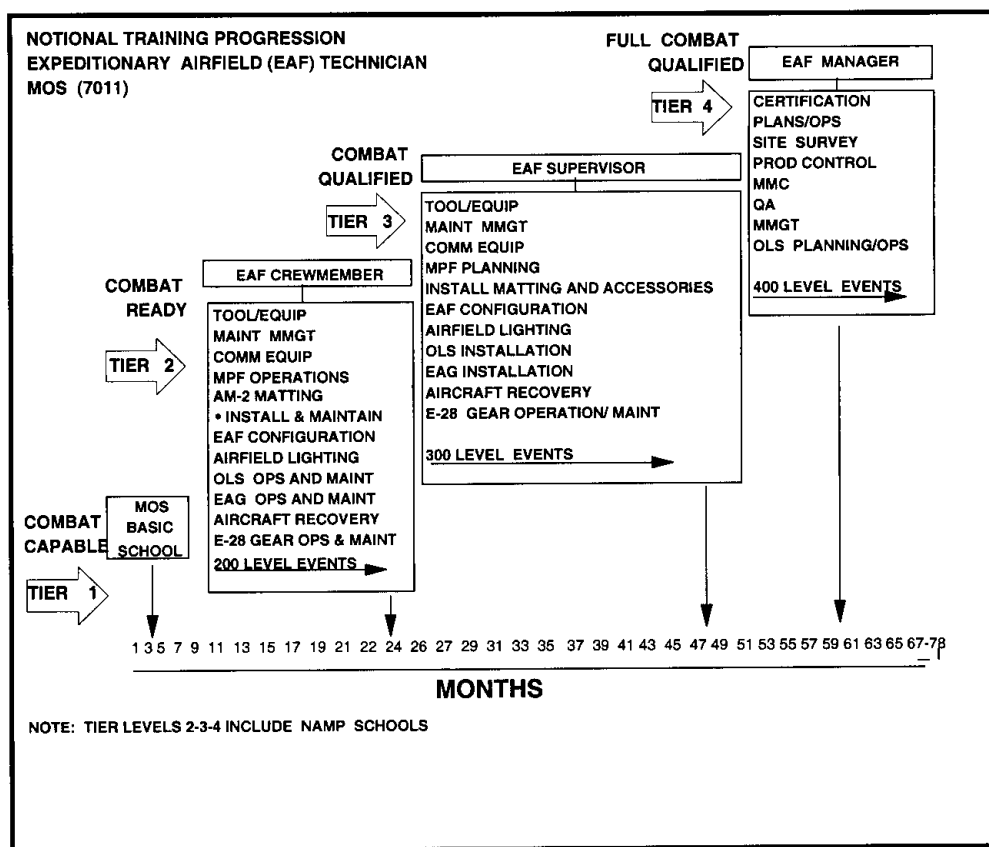
### 304. EAF TECHNICIAN TRAINING PROGRESSION MODEL

1. The Training Progression Model for the EAF Technician is depicted in figure 3-1.

2. This model depicts the **logical progression of qualifications** within a unit. The base of each model contains those qualifications an individual attains at the MOS-qualifying school. The highest tier of the progression model will contain those qualifications held by only the most experienced personnel within a unit.

3. The Combat Capable tier will, in most cases, be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.

4. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take



the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the Combat Ready tier, unit personnel move to the Combat Qualification tier.

5. The Combat Qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel that are being trained in the combat qualification tier are those Marines whom a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

6. The Full Combat Qualification tier will contain special skills, and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but rather those for which a certain number of trained individuals or crews must be maintained in order to accomplish special missions or tasks.

7. In some cases, higher echelon supervisory position training and qualifications may be reflected where the development of a separate T&R syllabus is not practical or warranted. These personnel are the most experienced within a unit. They are expected to display the maturity and

tactical acumen commensurate with this status on a daily basis, and assist the commanding officer with oversight of the unit training program.

8. The unit's training progression model provides training officers with a valuable tool to develop training plans. With a clear progression of qualifications delineated, and an emphasis on the qualification of "combat capable" and "combat ready" personnel, training officers have the ability to produce viable training plans. Units will use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

### 305. GROUND/ACADEMIC TRAINING

1. Academic training shall be conducted for each phase/stage of the syllabus. The following lectures are strongly encouraged to be incorporated as part of a sound training plan. Where indicated, standardized academic training materials exist and may be obtained from the activity listed as the sponsor.

Lecture Code	Lecture Expeditionary Airfield Technician	Sponsor
	<b>Proposed 200 Level: Combat Ready Training</b>	
	N/A (Reserved for future use)	
	<b>Proposed 300 Level: Combat Qualified Training</b>	
	N/A (Reserved for future use)	
	<b>Proposed 300 Level: Full-Combat Qualified Training</b>	
	N/A (Reserved for future use)	

2. External academic courses of instruction required to complete the syllabus are listed below.

#### COURSE

#### ACTIVITY

N/A

N/A

### 306. TRAINING REFERENCES

1. The following training references shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation:

#### EXPEDITIONARY AIRFIELD TECHNICIAN

T.O. 31R2-2PRC139-1	NAVAIR 00-80T-115
NAVAIR 00-35QF-3	NAVAIR 19-600-152-6-2

NAVAIR 51-5-31	NAVAIR 51-5A-3
NAVAIR 51-5EAA-2	NAVAIR 51-40-ABA-7
NAVAIR 51-40-ABA-7.1	NAVAIR 51-40-ABA-14
NAVAIR 51-40-ABA-15	NAVAIR 51-60A-1
NAVAIRINST 4440.10	NAVAIRINST 13800.12B
MCO 3500.14	MCO 3500.22
OPNAVINST 4790.2	NAVSEA OP 5 VOL 3
NA MISC-48J200-0001	Airtask (NAVAIR form
COMNAVAIRLANT/PAC Tool Control Order	DDR 06-IS-0012
DDR 06-IS-0048	DDR 06-IS-0050
DDR-06-IS-0058	DDR 06-IS-0061
DDR 51-2084	NAWCAD-06-IS-0004
NAWCADLKE-MISC-48J200-0011	NAWCADLKE-MISC-48J200-0012
NAWCADLKE-MISC-48J200-0018	NAWCADLKE-MISC-48J200-0020
NAWCADLKE-MISC-48J200-0021	NAWCADLKE-MISC-48J200-0028
NAWCADLKE-MISC-48J200-0029	NAWCADLKE-DDR-48J200-0027
NAEC-ENG-7599	NAEC 51-8120
NAEC 91-7994 (B)	NAVFAC P80/P80.3
M-21 Acft Recovery Bul 45-12 series	Acft Recovery Bul 45-12K
Acft Recovery Bul 46-12L	Acft Recovery Bul 80-12G
FLOLS Recovery Bul 80-12G	MRC MIP 4922/RF8-34
MRC MIP 4922/RF8-37	MRC MIP 5861/R28-44
MRC MIP 5861/R28-67	MRC MIP 5861/R35-33
MRC MIP 5861/R35-67	MRC MIP 5861/R36-10
MRC MIP5861/R37-49	Local MRCs
Maintenance Instructions	Local Maintenance
Local SOP	A/E32C-45
SLRP Checklist	

### 307. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS

1. General. The majority of the EAF Technician syllabus is ground training which requires in-depth integration within the MAW. Likewise, development of MAGTF training involving extensive integration with applicable elements of the MAGTF is mandatory in the development of a fully combat qualified EAF Technician.

a. Live Training. Training event condition codes listed as L (live), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted without the aid of simulator devices. Training not conducted in the live training environment shall be replaced with simulation where applicable as indicated in the condition code.



b. Simulator Training. Training event condition codes listed as **S** (simulator), **L/S** (live preferred/simulator optional), and **S/L** (simulator preferred/live optional) in this syllabus designate training to be conducted in simulators when available and where applicable. Training not conducted in the simulators due to unavailability shall be replaced with live training where applicable as indicated in the condition code.

3. Minimum Performance Time for Syllabus "Write-Off"/Designations. Personnel may receive credit for successful completion of any syllabus requirement (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the commanding officer's discretion. Completion of 70 percent of any syllabus requirement (except qualifications) may be "certified" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation, and the designation signed by the commanding officer.

4. Evaluation of Training. Evaluation of those portions of the syllabus which are academic in nature will be conducted by either written/oral examination or a combination of the two means. Operational and system related subjects will be evaluated by practical application means whenever possible. Performance evaluation to qualify for mission qualifications and designations will be conducted per MCO P3500.14, Aviation T&R Manual, Volume 1, and the standardized evaluation forms provided by the MOS sponsor.

### 308. COMPONENTS OF A T&R EVENT

1. General. An event contained within a T&R manual is an individual or collective training standard and contains seven or eight components, dependent on the tier in which they are contained:

1/ <b><u>SAM-XXX</u></b>	2/ <b><u>0.5</u></b>	3/ <b><u>T.C.R.</u></b>	4/ <b><u>E</u></b>	5/ <b><u>EQUIP</u></b>	6/ <b><u>L/S (NS)</u></b>
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**TASK:** The expeditionary airfield technician of a unit of work which needs to be done in the performance of a Marine's duties. It is a clearly stated performance-oriented action requiring learned skills and knowledge, i.e., Engage a rotary winged aircraft.

**CONDITION(S):** The condition(s) set for the real-world or combat circumstances in which the tasks are to be performed. They indicate what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this should be stated.

**STANDARD(S):** The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement which identifies the proficiency level expected when the task is performed. It is not guidance, it is inviolate. Performance standards are specified in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc.

**PERFORMANCE STEP(S):** Listed for 100 level T&R events only. Performance steps are the actions or decisions required to fulfill proficiency established by the standard.

The major performance steps which are required to perform the task to proficiency are listed in the order of performance. Minor steps are not listed.

**PREREQUISITE(S):** Provides a listing of academic training or other T&R events which must be completed prior to satisfying the task.

**REFERENCE(S):** Listing of doctrinal or reference publications which may assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion.

**ORDNANCE:** A listing of Ordnance types and quantities required to satisfy the Task.

**EXTERNAL SUPPORT REQUIREMENT(S):** A listing or description of the external support requirement(s) requirements which may be required to satisfy completion of the task. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

- NOTES:
- 1/ Events are coded per Appendix B of MCO P3500.14, Aviation T&R Manual Vol 1.
  - 2/ Projected Event Duration is furnished as a planning tool.
  - 3/ Denotes the applicable Program of Instruction (Basic POI is understood).
  - 4/ An "E" indicates an Evaluated event.
  - 5/ The equipment or activity subcategory is listed.
  - 6/ Condition Code: **L** = live Training; **S** = simulator training; **L/S** = live preferred/simulator optional; **S/L** = simulator preferred/live optional; **N** = Night; **NS** = Night Vision Device. Where contained within ( ) denotes optional conditions.

### 309. COMBAT CAPABLE TRAINING

1. Purpose. This training will be conducted at Expeditionary Airfield Equipment School. Specific training events are governed by the latest approved Program of Instruction.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (22 Events, 141.5 Hours)

2. Tools and Equipment

T&E-1001.5        E        L

TASK: Identify EAF tools, equipment and their purpose.

CONDITIONS: Without the aid of reference, and given the tools and equipment contained in the F-70, F-58 and L-95 student handout packages.

STANDARD: Per the references and at 100% accuracy.

PERFORMANCE STEP(S): None.

PREREQUISITES: None.

REFERENCES: NAVAIR 51-60A-1 and NAVAIR 51-5-35.

EXTERNAL SUPPORT REQUIREMENT(S): None.

T&E-1013.0        E        L

TASK: Operate EAF power tools and equipment.

CONDITIONS: Under supervision and given the shop SOP and the following tools:

- (1) Earth auger
- (2) Jackhammer
- (3) K-12 Saw
- (4) Air/Pneumatic drill and crimper
- (5) Paving breaker
- (6) Load locker

STANDARD(S): Per the reference and established procedure.

PERFORMANCE STEP(S) None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1 and NAVAIR 51-5A-3.

ORDNANCE: None.

T&E-1022.0        E        L

TASK: Maintain EAF tools and equipment.

CONDITION(S): As an EAF Crewmember, and with the aid of references.

STANDARD(S): Per the references and with 100% accuracy.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1 and NAVAIR 51-5A-3.

ORDNANCE: None.

3. Maintenance Management

MGT-103            4.0            E            L

TASK: Identify and explain the purpose and routing of VIDS/MAF.

CONDITION(S): Without the aid of references, and given VIDS/MAF.

STANDARD(S): Per the reference and with 100% accuracy.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST P4790.2.

ORDNANCE: None.

MMGT-104            1.0            E            L

TASK: Identify EAF organizational structure by drawing a flow chart.

CONDITION(S): Without the aid of references.

STANDARD(S): Per the local SOP and with 100% accuracy.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): Local SOP.

ORDNANCE: None.

4. Communications

COMM-105            4.0            E            L

TASK: Identify all components of a AN/PRC-139 EAF communication system.

CONDITION(S): Without the aid of references and given an AN/PRC-139 EAF communication system.

STANDARDS: Per the references and with 100% accuracy.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): T.O. 31R2-2PRC139-1.

ORDNANCE: None.

COMM-106            4.0            E            L

TASK: Assemble and operate AN/PRC-139 EAF communication system.

CONDITION(S): Without the aid of references and given a AN/PRC-139 EAF communication system.

STANDARDS: Per the references and with 100% accuracy.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): T.O. 31R2-2PRC139-1.

ORDNANCE: None.

COMM-107

1.0        E        L

TASK: Demonstrate hand and arm signals used for EAF operations with 100% accuracy.

CONDITION(S): Without the aid of references.

STANDARDS: Per the references, local SOP and with 100% accuracy.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80T-115, T.O. 31R2-2PRC139-1.

ORDNANCE: None.

5. Maritime Prepositioning Force

MPF-108

1.0        E        L

TASK: Verbally explain the MPF program, the role of EAF in the MPF program, and EAF components currently aboard MPS.

CONDITION(S): Without the aid of references.

STANDARDS: Per NAWCADLKE-MISC-48J200-0028.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAWCADLKE-MISC-48J200-0028.

ORDNANCE: None.

6. Airfield Surfacing (AM-2 MATTING)

AM2-109

1.0        E        L

TASK: Identify AM-2 matting and accessories and explain their function.

CONDITION(S): Without the aid of references and given the following AM-2 matting and accessories: AM-2 Matting, keylock, anchoring devices, connectors and hold back anchor.

STANDARDS: Per the references.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1.

ORDNANCE: None.

AM2-110

8.0      E      L

TASK: Install AM-2 matting and accessories in a 96' X 96' VTOL pad configuration.

CONDITION(S): With the aid of references and as an EAF Crewmember given the necessary material, tools and equipment.

STANDARDS: Per the NAVAIR 51-60A-1, DDR 06-IS-0048, NAVAIR 51-5A-3, DDR 51-2084.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1, DDR 06-IS-0048, NAVAIR 51-5A-3, DDR 51-2084.

ORDNANCE: None.

AM2-111

1.0      E      L

TASK: Identify the various AM-2 matting and aircraft operating surfaces.

CONDITION(S): Without the aid or references, and given airfield diagrams.

STANDARDS: Per NAEC 51-8120, NAVAIR 51-60A-1.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAEC 51-8120, NAVAIR 51-60A-1.

ORDNANCE: None.

## 7. Airfield Lighting and Marking

AFLM-112

1.0      E      L

TASK: Identify and explain the function of EAF lighting components.

CONDITION(S): Without the aid of references, and given the following EAF lighting components: Runway lights, Taxiway lights, approach lights, obstruction lights, rotation

lights, threshold lights, rotating beacon, circling guidance lights, Field marker lights and Minimum Operating Strip Lighting (MOSKIT).

STANDARD(S): Per NAVAIR 51-40ABA-7, DDR-06-IS-0061.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-40ABA-7, DDR-06-IS-0061.

ORDNANCE: None.

#### AFLM-113

30.0            E            L

TASK: Install EAF lighting components

CONDITION(S): With the aid of references and as an EAF lighting Crewmember, given the necessary material, tools and equipment.

STANDARDS: Per the NAVAIR 51-40ABA-7, DDR-06-IS-0061, NAEC 91-7994(B) NAVAIR 51-40ABA-7.1.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-40ABA-7, DDR-06-IS-0061, NAEC 91-7994(B) NAVAIR 51-40ABA-7.1.

ORDNANCE: None.

### 8. Fresnel Lens Optical Landing System (FLOLS)

#### FLOLS-114

2.0            E            L

TASK: Set up a FLOLS.

CONDITION(S): With the aid of references, a power source and a Fresnel Lens.

STANDARDS: Per the NAVAIR 51-40-ABA-14, NAVAIR 51-40-ABA-15 and MRC MIP 4922/RF8-34.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-40-ABA-14, NAVAIR 51-40-ABA-15 and MRC MIP 4922/RF8-34.

ORDNANCE: None.

### 9. M-21 Marine Corps Expeditionary Arresting Gear

#### MCEAG-115

10.0                    E                    L

TASK: Identify the major components of the M-21 arresting gear system and explain their function.

CONDITION(S): Without the aid of references and given a M-21 arresting gear.

STANDARDS: Per the NAVAIR 51-5EAA-2, MRCs MIP 5861/R37-49, 5861/R36-10 and 5861/R35-33.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRCs MIP 5861/R37-49, 5861/R36-10 and 5861/R35-33.

ORDNANCE: None.

MCEAG-116

3.0            E            L

TASK: Install Marine Corps expeditionary arresting gear.

CONDITION(S): At a pre-determined site as a runway crewmember given an M-21 arresting gear system and references.

STANDARDS: Per the NAVAIR 51-5EAA-2, MRC MIP 5861/R37-49, 5861/R36-10 and 5861/R35-33.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRC MIP 5861/R37-49, 5861/R36-10 and 5861/R35-33.

ORDNANCE: None.

MCEAG-117

11.0            E            L

TASK: Operate Marine Corps expeditionary arresting gear.

CONDITION(S): As a runway crewmember with the aid of references at an installed M-21 arresting gear site.

STANDARDS: Per the NAVAIR 51-5EAA-2, MRCs MIP 5861/R37-49, 5861/R36-10, M-21 Aircraft Recovery Bulletin 45-12 series and 5861/R35-33.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRCs MIP 5861/R37-49, 5861/R36-10, 5861/R35-33, M-21 Aircraft Recovery Bulletin 45-12 series.

ORDNANCE: None.

MCEAG-118

26.0            E            L

TASK: Perform I level maintenance on M-21 arresting gear retrieve and arrester engine.



CONDITION(S): As a maintenance crewmember with the aid of references, an M-21 arresting gear retrieve and arrester engine.

STANDARDS: Per the NAVAIR 51-5EAA-2, MRCs MIP 5861/R37-49, 5861/R36-10, 5861/R35-33.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5EAA-2, MRCs MIP 5861/R37-49, 5861/R36-10, 5861/R35-33.

ORDNANCE: None.

#### 10. E-28 Arresting Gear

E28-119                      8.0                      E                      L

TASK: Identify the major components of the E-28 arresting gear system and explain their function.

CONDITION(S): Without the aid of references and given a E-28 arresting gear.

STANDARDS: Per the NAVAIR 51-5-31, MRC MIP 5861/R28-44.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5-31, MRC MIP 5861/R28-44.

ORDNANCE: None.

E28-120                      11.0                      E                      L

TASK: Operate E-28 arresting gear.

CONDITION(S): As a runway crewmember with the aid of references at an installed E-28 arresting gear site.

STANDARDS: Per the NAVAIR 51-5-31, MRC MIP 5861/R28-44, ARB 46-12L.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-5-31, MRC MIP 5861/R28-44.

ORDNANCE: None.

E28-121                      8.0                      E                      L

TASK: Perform O level maintenance on E-28 arresting gear system.

CONDITION(S): As a maintenance crewmember with the aid of references and an E-28 arresting gear system.

STANDARDS: Per the MRC MIP# 5861/R28-44, NAVAIR 51-5-31.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): MRC MIP 5861/R28-44, NAVAIR 51-5-31.

ORDNANCE: None.

### 310. COMBAT READY TRAINING

1. Purpose. To develop proficiency as an EAF Technician. During this segment of the syllabus, the technician will operate Expeditionary Airfield Equipment in support of fixed/rotary wing aircraft operations.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. FASOTRAGRU.

d. Live and Simulator Event Training (23 Events, 128.9 Hours)

### 2. Tools and Equipment

T&E-200

8.0

L

TASK: Employ tools and equipment during AM-2 matting installation.

CONDITION(S): Given the F70 tool kit and AM-2 matting.

STANDARD(S): Per the NA 51-60A-1, NA 51-5A-3.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA 51-60A-1, NA 51-5A-3.

ORDNANCE: M130 Blasting cap, ML107/GW67.

EXTERNAL SUPPORT REQUIREMENT(S): Forklift.

T&E-201

0.5

L

TASK: Conduct tool box inventory.

CONDITION(S): Given a work center tool box and appropriate inventory form.

STANDARD(S): Per the references and with 100% accountability.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 4790.2, maintenance instructions, COMNAVAIRPAC/LANT tool control order.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

### 3. Maintenance Management

MMGT-202

0.5

L

TASK: Complete a VIDS/MAF form.

CONDITION(S): Given a VIDS/MAF form and a maintenance task.

STANDARD(S): Per the OPNAVINST 4790.2.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 4790.2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

### 4. Communications

COMM-203

1.0

L

TASK: Program six frequencies into the AN/PRC-139(C).

CONDITION(S): Given the nonstandard package and six frequencies.

STANDARD(S): Per the NA MISC-48J200-001 and local SOP.

PREREQUISITE(S): None.

REFERENCE(S): NA MISC-48J200-0001, Local SOP, T.O. 31R2-2PRC139-1.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

COMM-204

0.5

L/S

TASK: Perform proper recharge procedures for AN/PRC-139(C).

CONDITION(S): Given an EAF Communications package and appropriate references.

STANDARD(S): Per the NA MISC-48J200-0001 and local SOP.

PREREQUISITE(S): None.

REFERENCE(S): NA MISC-48J200-0001 and local SOP, T.O. 31R2-2PRC139-1.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

COMM-205

0.5

S

TASK: Demonstrate proper care and accountability of the AN/PRC-139(C).

CONDITION(S): Given an EAF Communications package.

STANDARD(S): Per the NA MISC-48J200-0001, Local SOP.

PREREQUISITE(S): None.

REFERENCE(S): NA MISC-48J200-0001, Local SOP, T.O. 31R2-2PRC139-1.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

5. Maritime Prepositioning Force

MPF-206

1.0

L/S

TASK: Load mat packages on a flatrack for shipment on MPS.

CONDITION(S): Given a flatrack and mat packages.

STANDARD(S): Per the DDR-06-IS-0050, DDR-06-IS-0058, and DDR-06-IS-0012.

PREREQUISITE(S): None.

REFERENCE(S): DDR 06-IS-0050, DDR 06-IS-0058, DDR 06-IS-0012, NAWCADLKE-MISC-48J200-0028.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Forklift.

6. Airfield Surfacing (AM-2 MATTING)

AM2-207

5.0

L

TASK: Install AM-2 matting and accessories.

CONDITION(S): Given an AM-2 matting and accessories with references.

STANDARD(S): Per the NA 51-60-1, NA 51-5A-3, NAWCADLKE-MISC-48J200-0011, NAWCADLKE-MISC-48J200-0021, NAWCAD-06-IS-0004.

PREREQUISITE(S): None.

REFERENCE(S): NA 51-60A-1, NA 51-5A-3, NAWCAD-06-IS-0004, NAWCADLKE-MISC-48J200-0011, NAWCADLKE-MISC-48J200-0021, NAWCADLKE-MISC-48J200-0029.

ORDNANCE: M130/ML107, GW67.

EXTERNAL SUPPORT REQUIREMENT(S): Forklift 10,000 LB, Surveyor.

AM2-208

0.5 L

TASK: Perform a maintenance inspection on an AM-2 matting installation.

CONDITION(S): Given AM-2 matting installation and local MRC.

STANDARD(S): Per the NA 51-60A-1, NAWCAD MISC-48J200-0011, NAWCADLKE-MISC-48J200-0021, Local MRC.

PREREQUISITE(S): None.

REFERENCE(S): NA 51-60A-1, NAWCADLKE-MISC-48J200-0011, NAWCADLKE-MISC-48J200-0021, NAWCADLKE-MISC-48J200-0029, Local MRC(s).

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Forklift.

AM2-209

2.0 L

TASK: Remove and repackage AM-2 matting and accessories.

CONDITION(S): Given AM-2 matting and accessories and references.

STANDARD(S): Per the NA 51-60A-1, DDR 06-IS-0058, DDR 06-IS-0050.

PREREQUISITE(S): None.

REFERENCE(S): NA 51-60A-1, DDR 06-IS-0058, DDR 06-IS-0050.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Forklift.

AM2-210

0.5 L

TASK: State the three patterns of AM-2 mat lay.

CONDITION(S): Given the references.

STANDARD(S): Per the NA 51-60A-1, NAWCAD-06-IS-0004.

PREREQUISITE(S): None.

REFERENCE(S): NA 51-60A-1, NAWCAD-06-IS-0004, NAWCADLKE-MISC-48J200-0011.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

7. Airfield Lighting and Marking

AFLM-211

1.0

L

TASK: Install EAF lighting components.

CONDITION(S): Given EAF lighting components and with the references.

STANDARD(S): Per the NA 51-40ABA-7.

PREREQUISITE(S): MCI Basic Electricity Course (11.41) EASU/MTT Training.

REFERENCE(S): NA 51-40ABA-7, NAWCADLKE-MISC-48J200-0012, NAWCADLKE-MISC-48J200-0020.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

8. Fresnel Lens Optical Landing System (FLOLS)

FLOLS-212

0.5

L

TASK: Perform Fresnel Lens Optical Landing System (FLOLS) pre-operational inspection.

CONDITION(S): Given the FLOLS, a pre-operational inspection form and the reference.

STANDARD(S): Per the reference.

PREREQUISITE(S): MCI Basic Electricity Course, EASU/MTT Training.

REFERENCE(S): MRC MIP 4922/RF8-37.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

FLOLS-213

2.5

L

TASK: Perform scheduled FLOLS inspections.

CONDITION(S): Given the FLOLS, an inspection form and the reference.

STANDARD(S): Per the reference.

PREREQUISITE(S): MCI Basic Electricity Course, EASU/MTT Training.

REFERENCE(S): MRC MIP 4922/RF8-37.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

9. Marine Corps Expeditionary Arresting GearMCEAG-21472.0L/S

TASK: Install the MCEAG.

CONDITION(S): Given a scenario requiring MCEAG, and the references.

STANDARD(S): Per the NA 51-5EAA-2, NA 51-5A-3, NAVAIRINST 13800.12B, NAEC-ENG-7599(F).

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5EAA-2, NA-51-5A-3, NAEC-ENG-7599, NAVAIRINST 13800.12B.

ORDNANCE: M130 Blasting cap, ML107, GW67.

EXTERNAL SUPPORT REQUIREMENT(S): Tram/EBFL, Surveyor, EASU Rep.

MCEAG-2150.15L/S

TASK: Operate the MCEAG.

CONDITION(S): Given a scenario requiring MCEAG, references and the appropriate equipment.

STANDARD(S): Per the references.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5EAA-2, NA-51-5A-3, NAVAIRINST 13800.12B, NATOPS-00-80T-115.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Forklift, HMMWV, M998, 5 TON M813, 5 TON M923.

MCEAG-2164.0L

TASK: Maintain the MCEAG.

CONDITION(S): Given MCEAG, the references and the appropriate equipment.

STANDARD(S): Per the NA 51-5EAA-2, MRC MIP 5861/R35-67.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5EAA-2, MRC MIP 5861/R35-67.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Forklift, HMMVW, M998.

MCEAG-21724.0L

TASK: Inspect and prepare MCEAG packages for shipment.

CONDITION(S): Given MCEAG packages, the reference and the appropriate equipment.

STANDARD(S): Per NA 51-5EAA-2.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5EAA-2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMVW, M998, 5 TON M813, 5 TON M923.

MCEAG-218

0.5

L/S

TASK: Perform each position of MCEAG operations.

CONDITION(S): Given MCEAG, the references and a scenario involving aircraft arrested landings.

STANDARD(S): Per NA 51-5EAA-2, NATOPS 00-80T-115, Aircraft Recovery Bulletin 45-12K, and Aircraft Recovery Bulletin 80-12G provide five night arrested landings and five day arrested landings.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5EAA-2, NATOPS-00-80T-115, Aircraft Recovery Bulletin 45-12K, Aircraft Recovery Bulletin 80-12G.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Tactical Aircraft (Tailhook equipped), Heavy equipment, HMMVW, M998.

MCEAG-219

1.5

L

TASK: Perform MCEAG pre-operational inspection.

CONDITION(S): Given MCEAG, pre-operational inspection form, the references, and a requirement to perform a pre-operational inspection.

STANDARD(S): Per NA 51-5EAA-2, MRC MIP 5861/R36-10, MRC MIP 5861/R35-67.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5EAA-2, MRC MIP 5861/R36-10, MRC MIP 5861/R35-67.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMVW, M998.

MCEAG-220

0.5

L

TASK: Perform MCEAG post-operational inspection.



CONDITION(S): Given MCEAG, pre-operational inspection form, the references and a requirement to perform a pre-operational inspection.

STANDARD(S): Per NA 51-5EAA-2, MRC MIP 5861/R36-10, MRC MIP 5861/R35-67.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5EAA-2, MRC MIP 5861/R36-10, MRC MIP 5861/R35-67.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMWV, M998.

#### 10. Shorebased Arresting Gear

E28-221

.25

L

TASK: Operate E-28 arresting gear.

CONDITION(S): Given a scenario involving E-28 operations, and the references.

STANDARD(S): Per NA 51-5-31, Aircraft Recovery Bulletin 46-12L, FLOLS Recovery Bulletin 80-12G.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5-31, Aircraft Recovery Bulletin 46-12L FLOLS Recovery Bulletin 80-12G.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMWV, M998.

E28-222

2.0

L

TASK: Maintain E-28 arresting gear.

CONDITION(S): Given E-28 gear, and with the references.

STANDARD(S): Per NA 51-5-31, MRC MIP 5861/R28-67.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5-31, MRC MIP 5861/R28-67.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMWV.

#### 311. COMBAT QUALIFICATION TRAINING

1. Purpose. To refine proficiency as an EAF Technician. During this segment of the syllabus, the EAF Technician will operate and maintain EAF

equipment for fixed wing and rotary wing aircraft. Maintenance will include upper level maintenance and troubleshooting.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. C-SCHOOL, FASOTRAGRU.

d. Live and Simulator Event Training (20 Events, 146.75 Hours)

## 2. Maintenance Management

MMGT-300

None

None

TASK: Perform the duties of the work center supervisor.

CONDITION(S): Given a work center and with the reference.

STANDARD(S): Per OPNAVINST 4790.2.

PREREQUISITE(S): CDI/CDQAR, FASOTRAGRU Course.

REFERENCE(S): OPNAVINST 4790.2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

MMGT-301

None

None

TASK: Perform the duties of Technical Publication Librarian (TPL).

CONDITION(S): Given a Technical Publication Library and the references.

STANDARD(S): Per the references.

PREREQUISITE(S): FASOTRAGRU Course E-555-0007, FASOTRAGRU Course E-555-0028.

REFERENCE(S): OPNAVINST 4790.2, Local Maintenance Instructions.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Marine Aviation Logistics Squadron (MALS) Central TPL.

## 3. Maritime Prepositioning Force

MPF-302

0.5

L

TASK: Explain in detail EAF assets available aboard Maritime Prepositioning Squadrons 2 and 3.

CONDITION(S): Given references.

STANDARD(S): Per the references and with 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 4790.2, Local Maintenance Instructions.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

#### 4. AM-2 Matting

##### AM2-303

24.0            L

TASK: Design an EAF.

CONDITION(S): Given a scenario, the references and appropriate design materials.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIRINST 13800.12, NAVAIR 51-60A-1, NAVSEA OP 5 VOL 3, NAVFAC P80/P80.3, NAVAIR 00-80T-115, NAWCADLKE-MISC-48J200-0021, NAWCADLKE-MISC-48J200-0011.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

##### AM2-304

2.0            L

TASK: Supervise site survey for an AM-2 matting installation.

CONDITION(S): Given a requirement to survey a site for an AM-2 matting installation and with the references.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIRINST 13800.12A, NAVAIR 51-60A-1, NAVSEA OP 5 VOL 3, NAVFAC P80/P80.3, NAVAIR 00-80T-115, NAWCADLKE-MISC-48J200-0021, NAWCADLKE-MISC-48J200-0011.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

##### AM2-305

10.0           L

TASK: Supervise AM-2 matting installation and accessories.

CONDITION(S): Given an AM-2 matting installation scenario and with the references.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIRINST 13800.12A, NAVAIR 51-60A-1, NAVSEA OP 5 VOL 3, NAVFAC P80/P80.3, NAVAIR 00-80T-115, NAWCADLKE-MISC-48J200-0021, NAWCADLKE-MISC-48J200-0011.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

AM2-306

2.0 L

TASK: Supervise the removal and repackaging of AM-2 matting and accessories.

CONDITION(S): Given a scenario requiring removal and repackaging of AM-2 matting and accessories.

STANDARD(S): Per NAVAIR 51-60A-1, NAWCADLKE-MISC-48J200-0021, NAWCADLKE-MISC-48J200-0011.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-60A-1, NAWCADLKE-MISC-48J200-0021, NAWCADLKE-MISC-48J200-0011.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

AM2-307

0.5 L

TASK: Supervise a maintenance inspection on an AM-2 matting installation.

CONDITION(S): Given the requirement to inspect an AM-2 matting installation and with the references.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NA 51-60A-1, NAWCADLKE-MISC-48J200-0011.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Forklift.

## 5. Fresnel Lens Optical Landing System (FLOLS)

FLOLS-308

0.5 L

TASK: Supervise FLOLS pre-operational inspection.

CONDITION(S): Given the FLOLS, a pre-operational inspection form and a requirement to conduct a pre-operational inspection.

STANDARD(S): Per the reference.

PREREQUISITE(S): MCI 34-10 Basic Electricity Course, EASU/MTT Training.

REFERENCE(S): MRC MIP 4922/RF8-37.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Generator if applicable.

FLOLS-309

2.0                      L

TASK: Supervise scheduled FLOLS inspections.

CONDITION(S): Given a FLOLS inspection schedule and a requirement to conduct a FLOLS inspection.

STANDARD(S): Per the reference.

PREREQUISITE(S): MCI 11.41 Marine Electrician, EASU/MTT Training.

REFERENCE(S): MRC MIP 4922/RF8-37.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

6. Airfield Lighting and Marking

AFLM-310

1.0                                      L

TASK: Supervise EAF lighting components installation.

CONDITION(S): Given EAF lighting components and tasked to install EAF lighting components.

STANDARD(S): Per the references.

PREREQUISITE(S): MCI 34.10 Basic Electricity Course (1141), EASU/MTT Training.

REFERENCE(S): NA 51-40ABA-7, NA 00-35QF-3, NA 19-600-152-6-2, A/E32C-45.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Generator if applicable.

7. Marine Corps Expeditionary Arresting Gear (MCEAG)

MCEAG-311

72.0                                      L

TASK: Supervise MCEAG installation.

CONDITION(S): Given MCEAG and tasked to install MCEAG.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NA-51-5EAA-2, NA-51-5A-3, NAVINST 13800.12B.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, Surveyor, Forklift.

MCEAG-312

L

TASK: Supervise MCEAG operations.

CONDITION(S): Given a scenario involving MCEAG operations and references.

STANDARD(S): Per the references.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5EAA-2, M-21 Aircraft Recovery bulletin 45-12K.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMWV M998.

MCEAG-313

4.0

L

TASK: Supervise MCEAG maintenance.

CONDITION(S): Given MCEAG and with the references.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NA-51-5EAA-2, MRC MIP 5861/R35-67, MRC MIP 5861/R36-10.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMWV, M998.

MCEAG-314

24.0

L

TASK: Inspect and prepare MCEAG packages for shipment.

CONDITION(S): Given MCEAG packages and references.

STANDARD(S): Per the reference and with 100% accuracy.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5EAA-2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMWV, M998, 5 TON M813, 5 TON M923.

MCEAG-315E

TASK: Perform duties of the runway crewleader.

CONDITION(S): When assigned as a runway crewleader and with the references.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NA-51-5EAA-2, NATOPS-00-80T-115.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMWV, M998.

MCEAG-3161.5L

TASK: Supervise MCEAG pre-operational inspection.

CONDITION(S): Given MCEAG, a pre-operational inspection form, references and a requirement to perform a pre-operational inspection.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NA-51-5EAA-2, MRC MIP 5861/R36-10, MRC MIP 5861/R35-67.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMWV, M998.

MCEAG-3171.0

TASK: Supervise MCEAG post-operational inspection.

CONDITION(S): Given MCEAG, a post-operational inspection form, the references and a requirement to perform a post-operational inspection.

STANDARD(S): Per the references.

PREREQUISITE(S): Completion of course C-604-2015.

REFERENCE(S): NA-51-5EAA-2, MRC MIP 5861/R36-10, MRC MIP 5861/R35-67.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMWV, M998.

7. Shorebased Arresting Gear

E28-318

2.5

L

TASK: Supervise E-28 arresting gear operations.

CONDITION(S): Given a scenario involving E-28 operations and the references.

STANDARD(S): Per the reference.

PREREQUISITE(S): None.

REFERENCE(S): NA-51-5-31.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMWV, M998.

E28-319

2.0

L

TASK: Supervise E-28 arresting gear maintenance.

CONDITION(S): Given E-28 arresting gear and the references.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NA-51-5-31, MRC MIP 5861/R28-67.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Heavy equipment, HMMWV, M998.

312. FULL COMBAT QUALIFICATION TRAINING

1. Purpose. To be fully proficient as an EAF Technician. During this segment of the syllabus, the EAF Technician will design Expeditionary Airfields, coordinate the movement of EAF equipment for use on operations and supervise the installation of EAF equipment to meet certification criteria.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (11 Events, N/A Hours)

2. Expeditionary Certification



OPS-400

TASK: Coordinate personnel and equipment requirements in support of current operational plans.

CONDITION(S): Given an Operational Plan, Time Phased Force Deployment Data (TPFDD) and Training, Exercise, and Employment and Employment Plan (TEEP).

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCES(S): NA-51-5-31, MRC MIP 5861/R28-67.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

OPS-401

TASK: Manage EAF assets distribution and accountability.

CONDITION(S): Given the EAF assets report and Table of Basic Allowances.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCES(S): NAVAIR 00-35T-37-4, NAVAIRINST 4440.10.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

3. Fiscal ManagementMMGT-402

TASK: Identify fiscal requirements to support the EAF program.

CONDITION(S): Given an Airtask, fiscal input and the TEEP.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCES(S): Airtask (NAVAIR form 3930/1) and TEEP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

4. Survey Liaison and Reconnaissance Party (SLRP)SLRP-403

TASK: Participate as a member of an SLRP, conduct a site survey of an airfield, and determine EAF requirements.

CONDITION(S): As a member of a SLRP and given a SLRP checklist and concept of operations.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCES(S): NAVAIR 00-80T-115 and SLRP Checklist.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

## 5. Airfield Surfacing

### AM2-404

TASK: Coordinate logistical support for installation and maintenance of AM-2 matting.

CONDITION(S): Given the commander's intent and the reference.

STANDARD(S): Local SOP.

PREREQUISITE(S): None.

REFERENCES(S): Local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

## 6. Training

### TRNG-405

TASK: Evaluate and monitor training of EAF personnel.

CONDITION(S): Given Training and Readiness standards and current SAV/FAI checklists.

STANDARD(S): Per the reference.

PREREQUISITE(S): None.

REFERENCES(S): MCO 3500.22

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

## 7. Marine Corps Expeditionary Arresting Gear

### MCEAG-406

TASK: Coordinate logistical support for M-21 arresting gear installation, operation and maintenance.

CONDITION(S): Given the commander's intent and per the references.

STANDARD(S): Per the reference.

PREREQUISITE(S): None.

REFERENCES(S): Local SOP.

ORDNANCE: GW-67 (40 ea), ML-107/M-130 (40 ea).

EXTERNAL SUPPORT REQUIREMENT(S): None.

#### 8. Fresnel Lens Optical Landing System

##### FLOLS-407

TASK: Coordinate logistical support for FLOLS installation, operation and maintenance.

CONDITION(S): Given the commander's intent.

STANDARD(S): Per the reference.

PREREQUISITE(S): None.

REFERENCES(S): Local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

#### 9. Airfield Lighting and Marking

##### AFLM-408

TASK: Coordinate logistical support for airfield lighting installation, operation, and maintenance.

CONDITION(S): Given the commander's intent and per the reference.

STANDARD(S): Per the Local SOP.

PREREQUISITE(S): None.

REFERENCES(S): Local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

#### 10. Expeditionary Certification

##### CERT-409

TASK: Perform an "Expeditionary Certification."

CONDITION(S): Given the following:

- (1) AM-2 matting installation.

- (2) M-21 arresting gear.
- (3) Fresnel Lens Optical Landing System (FLOLS).
- (4) Airfield marking and lighting and with the assistance of Expeditionary Airfield Services Unit Representatives.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCES(S): NAVAIR 515EAA-2, NAVAIR 51-5A-3, NAVAIRINST 13800.12, NAWCADLKE MISC-48J200-0021, NAWCADLKE MISC-48J200-0011, NAVAIR 51-60A, NAVAIR 51-5A-1 and NAVAIR 51-40ABA-14.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): Expeditionary Airfield Services Unit Representatives, Surveyor.

#### 11. Expeditionary Airfield Capabilities

##### BRIEF-410

TASK: Prepare and present briefing on EAF capabilities.

CONDITION(S): Given the references, commander's intent, and geographical situation.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCES(S): NAWCADLKE-MISC-48J200-0028, NAWCADLKE-DDR-48J200-0027, NAWCADLKE-MISC-48J200-0018, NAWCADLKE-MISC-48J200-0010.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

313. SPECIAL TRAINING REQUIREMENTS. There has been a requirement established for a follow-on formal course of instruction. This course is currently being developed by the formal school in Pensacola, FL. The plan for this course is to fulfill a 300 level requirement.

#### 314. EXPENDABLE ORDNANCE REQUIREMENTS

##### BASIC/TRANSITION/CONVERSION/REFRESHER

ORDNANCE	100 SERIES	200 SERIES	300 SERIES	400 SERIES	IUT	ANNUAL
M-130 BLAST CAP		40				40
ML-I07		40				40
GW-67		40				40

AVIATION T&R MANUAL, VOLUME 7

MOS: 7011

EVENT TRAINING CODE		HRS	SUSTAINMENT		CONDITIONS (s)	REMARKS
			INTERVAL	CRP		
<u>COMBAT CAPABLE TRAINING</u>						
T&E	100	1.5	None.	2%		
T&E	101	3.0	None.	3%		
T&E	102	2.0	None.	2%		
MMGT	103	4.0	None.	2%		
MMT	104	1.0	None.	2%		
COMM	105	4.0	None.	2%		
COMM	106	4.0	None.	2%		
COMM	107	1.0	None.	2%		
MPF	108	1.0	None.	3%		
AM2	109	1.0	None.	3%		
AM2	110	8.0	None.	3%		
AM2	111	1.0	None.	4%		
AFLM	112	1.0	None.	2%		
AFLM	113	30.0	None.	3%		
FLOLS	114	2.0	None.	4%		
MCEAG	115	10.0	None.	3%		
MCEAG	116	3.0	None.	4%		
MCEAG	117	11.0	None.	4%		
MCEAG	118	26.0	None.	2%		
E28	119	8.0	None.	4%		
E28	120	1.0	None.	2%		
E28	121	8.0	None.	2%		
TOTAL	23	142.5		60%		
<u>COMBAT READY TRAINING</u>						
T&E	200	8.0	12	.9		
T&E	201	0.5	None.	.8%		
MMGT	202	0.5	12	.9%		
COMM	203	1.0	12	.8%		
COMM	204	0.5	12	.8%		
COMM	205	0.5	12	.9%		
MPF	206	1.0	12	.9%		
AM2	207	5.0	12	.9%		
AM2	208	0.5	12	.8%		
AM2	209	2.0	12	.9%		
AM2	210	0.5	None.	.8%		
AFLM	211	1.0	12	.9%		
FLOLS	212	0.5	06	.8%		
FLOLS	213	2.5	12	.9%		
MCEAG	214	72.0	12	.9%		
MCEAG	215	0.15	06	.8%		
MCEAG	216	4.0	12	.9%		
MCEAG	217	24.0	12	.9%		
MCEAG	218	0.5	06	.9%		
MCEAG	219	1.5	06	.9%		
MCEAG	220	0.5	12	.9%		
E28	221	0.25	06	.8%		
E28	222	2.0	06	1.0%		
TOTAL	23	128.9		20%		

**COMBAT QUALIFICATION TRAINING**

MMGT	300	None.	None.	.2%
MMGT	301	None.	12	.2%
MPF	302	0.5	None.	.2%
AM2	303	24.0	12	1.0%
AM2	304	2.0	12	.5%
AM2	305	10.0	12	1.0%
AM2	306	2.0	12	1.0%
AM2	307	0.5	12	.2%
FLOLS	308	0.5	06	.2%
FLOLS	309	2.0	12	.5%
AFLM	310	1.0	12	.5%
MCEAG	311	72.0	12	1.0%
MCEAG	312	None.	12	.2%
MCEAG	313	4.0	12	1.0%
MCEAG	314	24.0	12	1.0%
MCEAG	315	None.	12	.2%
MCEAG	316	1.5	12	.2%
MCEAG	317	1.0	12	.2%
E28	318	2.5	12	.2%
E28	319	2.0	12	.5%
<b>TOTAL</b>	<b>20</b>	<b>146.75</b>		<b>10%</b>

**FULL-COMBAT QUALIFICATION TRAINING**

OPS	400	None.	None.	1.0%
OPS	401	None.	None.	1.0%
MMGT	402	None.	None.	5%
SLRP	403	None.	12	5%
AM2	404	None.	None.	1.0%
TRNG	405	None.	None.	5%
MCEAG	406	None.	None.	1.0%
FLOLS	407	None.	None.	5%
AFLM	408	None.	None.	1.0%
CERT	409	None.	12	2.5%
BRIEF	410	None.	12	5%
<b>TOTAL</b>	<b>11</b>	<b>None.</b>		<b>10%</b>

Figure 3-2 - Expeditionary Airfields Technician Refly Interval,  
Combat Readiness Percentage

EXPEDITIONARY AIRFIELD TECHNICIAN FLIGHT UPDATE CHAINING

<u>STAGE</u>	<u>EVENT</u>	<u>EVENTS UPDATED</u>
T&E	100	None.
T&E	101	None.
T&E	102	None.
MMGT	103	None.
MMGT	104	None.
COMM	105	None.
COMM	106	None.
COMM	107	None.
MPF	108	None.
AM2	109	None.
AM2	110	None.
AM2	111	None.
AFLM	112	None.
AFLM	113	None.
FLOLS	114	None.
MCEAG	115	None.
MCEAG	116	None.
MCEAG	117	None.
MCEAG	118	None.
E28	119	None.
E28	120	None.
E28	121	None.
T&E	200	None.
T&E	201	None.
MMGT	202	None.
COMM	203	None.
COMM	204	None.
COMM	205	None.
MPF	206	None.
AM2	207	None.
AM2	208	None.
AM2	209	None.
AM2	210	None.
AFLM	211	None.
FLOLS	212	None.
FLOLS	213	None.
MCEAG	214	None.
MCEAG	215	None.
MCEAG	216	None.
MCEAG	217	None.
MCEAG	218	None.
MCEAG	219	None.
MCEAG	220	None.
E28	221	None.
E28	222	None.
MMGT	300	202
MMGT	301	None.
MPF	302	None.
AM2	303	None.
AM2	304	None.
AM2	305	207
AM2	306	209
AM2	307	208
FLOLS	308	213
FLOLS	309	212, 213
AFLM	310	211
MCEAG	311	214

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MCEAG	312	215
MCEAG	313	216, 217, 220
MCEAG	314	217
MCEAG	315	201, 202, 204, 205, 212, 213, 215, 216, 218, 219, 220, 222, 300, 308, 309, 312, 313
MCEAG	316	219
MCEAG	317	220
E28	318	221
E28	319	222
OPS	400	None.
OPS	401	None.
MMGT	402	None.
SLRP	403	304
AM2	404	None.
TRNG	405	None.
MCEAG	406	None.
FOLS	407	None.
AFLM	408	None.
CERT	409	207, 211, 214, 305, 309, 310, 311, 404, 406, 407, 408
BRIEF	410	None.

Figure 3-3 - Expeditionary Airfield Technician  
Event Update Chaining



# AVIATION T&R MANUAL, VOLUME 7

## CHAPTER 4

### AVIATION OPERATIONS SPECIALIST AIRCRAFT SQUADRON, GROUP, WING

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#### 400. INTRODUCTION

1. The purpose of the Marine Aviation Training and Readiness (T&R) program is to provide the commander with standardized programs of instruction for all aviation personnel. The goal is to develop unit WARFIGHTING capabilities, not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective Training and Readiness (T&R) program is the first step in providing the MAGTF Commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat readiness. Using these tools, unit training managers can construct and execute an effective training plan which supports the unit's mission essential tasks.

2. Unit training management is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of Commanders at all levels in order to accomplish their wartime missions. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, Unit Training Management Guide, and form the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance understanding of the Systems Approach to Training used in T&R development and Marine Corps UTM principles.

3. The Marine Corps Combat Readiness Evaluation System (MCCRES) and the T&R program are inextricably linked. The events contained within the T&R syllabus provide the basis of individual and collective skills which enable units to satisfy the requirements as outlined in their applicable volume of the MCCRES.

4. Diversity of assignments is paramount to the career development of the Aviation Operations Specialist, MOS 7041. Aviation Operations Specialists may serve within the Marine Aircraft Wing at either squadrons, Marine Aircraft Groups, or the Marine Aircraft Wing headquarters. They may also serve as part of the Expeditionary Airfield Operations crew of a Marine Wing Support Squadron, or within the Airfield Operations Department of a Marine Corps Air Station. In each different type of unit, the Aviation Operations Specialist encounters different applications of the same basic skills. To learn the appropriate techniques for each job assignment and to understand the interrelationships between assignments, however, requires rotation of Aviation Operations Specialists through the various positions described in this T&R Manual. Chapter 4 identifies the training requirements for Marines assigned to aircraft squadrons, Marine Aircraft Groups, or Marine Aircraft Wing headquarters. Thorough professional development is enhanced by rotating Aviation Operations Specialists through the higher echelon units so they can learn the application of their skills at each level. Chapter 5 identifies the training requirements for Marines assigned to Marine Corps Air Stations or Marine Wing Support Squadrons. Rotation through the various job assignments within either unit is needed to fully develop the understanding and abilities of Aviation Operations Specialists such that they are well-prepared to lead junior Marines in any and all of the functional areas. The multiple training progression models contained in both chapters apply to all Marines of MOS 7041 and, although periodic evaluation need only to be performed in the functional area to which a Marine is currently assigned, leaders are encouraged to introduce their Aviation Operations Specialists to the tasks required in other functional areas.

#### 401. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS

##### 1. COMBAT CAPABLE STAGE

<u>EVENT</u>	<u>TASK</u>
MAN-100	Identify the command structure for Marine Aviation, and describe the meaning of unit designation abbreviations and aircraft assigned to aviation squadrons by type/model/series.
MAN-101	Identify the elements of a Date/Time/Group, Zulu Time, Time Zones, and Julian Dates.
CPU-110	Type at 25 words per minute.
CPU-111	Set up a computer.
CPU-112	Utilize basic word processing skills.
CPU-113	Manage computer files.
CPU-120	Demonstrate a knowledge of the formats and procedures used in preparing Naval correspondence.
DIR-130	Demonstrate a knowledge of the Naval directives system.
FPC-140	Identify the International Civil Aeronautics Organization (ICAO) designation for each Marine Corps Air Station.
FPC-141	Extract information from flight information publications.
FPC-142	Audit a DD-175 Flight Plan.
FLD-150	Demonstrate a knowledge of Naval flight records.
NTP-160	Demonstrate a knowledge of the annual NATOPS requirements.

## 2. COMBAT READY STAGE

<u>EVENT</u>	<u>TASK</u>
MAN-200	Create and maintain a situation map.
CPU-210	Create a spreadsheet.
CPU-211	Create a database.
COR-220	Prepare Naval Correspondence.
COR-221	Mark classified correspondence, documents and messages.
COR-222	Maintain correspondence files.
COR-223	ROUTE CORRESPONDENCE AND MESSAGES.
COR-224	Prepare a Standard Naval Message for transmission.
PUB-230	Maintain Naval Directives System.
FPC-240	Prepare Instrument Navigational Packets.
FLD-250	Verify flight data from a NAVFLIRS source document into a computer database.

FLD-251 Record flight data into an Aviators Flight Logbook.

FLD-252 Enter end of month, end of fiscal year, and aircrewmember transfer entries in a Naval Aircrew Logbook.

FLD-253 Review Daily Validation Reports and make corrections as appropriate.

FLD-254 Prepare and file completed NAVFLIRS source documents in the Master Flight Files.

FLD-255 Update the unit's ATRIMS database utilizing input from the NAVFLIRS.

FLD-256 Print various reports utilizing the ATRIMS program.

NTP-260 Maintain NATOPS Qualification Jackets.

NTP-261 Prepare and type the NATOPS Evaluation Report.

NTP-262 Prepare and type the NATOPS Instrument Ratings Request.

ARM-270 Enter data utilizing the Marine Corps Lessons Learned System (MCLLS)/Joint User Lessons Learned System (JULLS).

TAC-280 Enter data utilizing the Contingency Theater Automated Planning System (CTAPS).

### 3. COMBAT QUALIFICATION STAGE

<u>EVENT</u>	<u>TASK</u>
CPU-310	Serve as the section's Information Systems Coordinator (ISC).
COR-320	Review typed correspondence for errors.
COR-321	Prior to transmission, review a standard naval message.
COR-322	Prepare a Command Chronology and maintain historical library.
COR-323	Prepare and type the appropriate Serious Incident Report (SIR).
COR-324	Manage and serve as a Secondary Control Point Custodian.
FLD-350	Review and correct aviators flight log books.
FLD-351	Review Daily Validation Reports to ensure corrections are being made and that data contained on the Part II does not continue.
FLD-352	Analyze ATRIMS Reports to determine unit Combat Readiness Percentage (CRP).
FLD-353	Determine aircrewmember eligibility for assignment to Temporary Flight Orders.

FLD-354 Issue Temporary Flight Orders for Crewmembers and Non-Crewmembers.

FLD-355 Monitor Temporary Flight Order expenditures.

ARM-370 Input after action items following exercises, conferences, or if an item is determined to be of significant importance into the Marine Corps Lessons Learned System (MCLLS)/Joint User Lessons Learned System (JULLS).

ARM-371 Input data in the Global Command and Control System (GCCS).

ARM-372 Prepare a Status of Resources and Training System (SORTS) report.

ARM-373 Utilize the Marine Corps Training and Exercise Employment Program (MCTEEP) to plan and schedule current/projected training commitments and deployments.

TAC-380 Set up and operate a Computer Aided Force Management System (CAFMS) remote work station.

#### 4. FULL COMBAT QUALIFICATION STAGE

<u>EVENT</u>	<u>TASK</u>
MAN-400	Prepare and publish an Operations Order.
PUB-430	Demonstrate proficiency in drafting Unit Directives.
FLD-450	Conduct a monthly audit of a squadron Temporary Flight Order Program.
ARM-470	Retrieve data via the Global Status of Resources Training System (GSORTS).
ARM-480	Establish a Command Operations Center (COC) or Tactical Air Command Center (TACC).
ARM-481	Input and retrieve data utilizing the capabilities and applications of TCO/JMCIS.
ARM-482	Prepare an Air Tasking Order/Integrated Tasking Order (ATO/ITO) utilizing the capabilities of Aviation Planning System (APS).
ARM-483	Enter and retrieve data via the Computer Aided Force Management System (CAFMS).
ARM-484	Input and retrieve data utilizing the Airspace Deconfliction System/Air Control Planning (ADS/ACP) System.
ARM-485	Build, publish and monitor the execution of an ATO.
ATC-490	Validate airlift request for Marine Corps aircraft.
ATC-491	Input airlift request to the Joint Automated Logistics Information System (JALIS).

- ATC-492      Schedule OSA assets in a cost-effective manner, by combining requests to maximize use of available seating and minimize dead-head legs.
- ATC-493      Prepare and analyze Monthly/Quarterly Reports for submission to HQMC.
- ATC-494      Prepare requests for U.S. Air Force strategic aerial refueling to the Air Mobility Command's Receiver Interactive Planning System (RIPS2).

#### 402. UNIT TRAINING POLICIES

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual training serves as the building block for overall unit readiness. However, unit training must not be compromised for the training of a select, few individuals. Squadron and battalion commanding officers will ensure that this training philosophy is implemented. Unit training must predominate, and squadrons must tailor their training plans to ensure unit combat readiness.
2. The training of Marines to perform as an integral aviation unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform those critical skills required in combat is essential.
3. Commanders shall ensure that all tactical training is conducted to a MCCRES standard. The MCCRES, as outlined in MCO P3501.1, is the unit training standard, and all syllabus events shall be tailored to meet MCCRES requirements. Commanders at all levels are responsible for effective aviation training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be overemphasized.
4. Commanders must be cognizant of the numerous factors affecting unit training on a daily basis. Factors which all commanders must address include, but are not limited to:
  - a. Efficiency. Time and resources expended are measurements for training efficiency. Commanders must ensure that all training increases combat readiness. Unit personnel shall thoroughly plan and effectively execute training to maximize the return on their time and effort.
  - b. Individual Differences. Commanders must recognize the differences inherent in each individual and should mold flexible training programs to accommodate those differences.
  - c. Decentralization of Training. The lowest echelon possible shall be responsible for conducting training. Each senior level of command must monitor subordinate levels to ensure safe and efficient training.
5. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by this Manual. Attendance of formal courses of instruction must enhance the warfighting capabilities of the unit.
6. Risk Management. Operational Risk Management (ORM) is a process to aid commanders in accomplishing their missions while protecting the force. Commanders, leaders, maintainers, planners and schedulers should integrate risk assessment in the decision making process and implement hazard controls to eliminate risk or reduce it to acceptable level.

403. AVIATION OPERATIONS SPECIALIST (FMF) TRAINING PROGRESSION PHILOSOPHY

1. All personnel will attend formal school training to qualify for duty in the Aviation Operations Specialist MOS. Upon completion of formal school training Marines will receive additional training commensurate with their individual assignments within the Operating Forces.

404. AVIATION OPERATIONS SPECIALIST (FMF) TRAINING PROGRESSION MODEL

1. The Training Progression Model for the Aviation Operations Specialist assigned to an aircraft squadron, MAG, or MAW headquarters is depicted in figure 4.1.

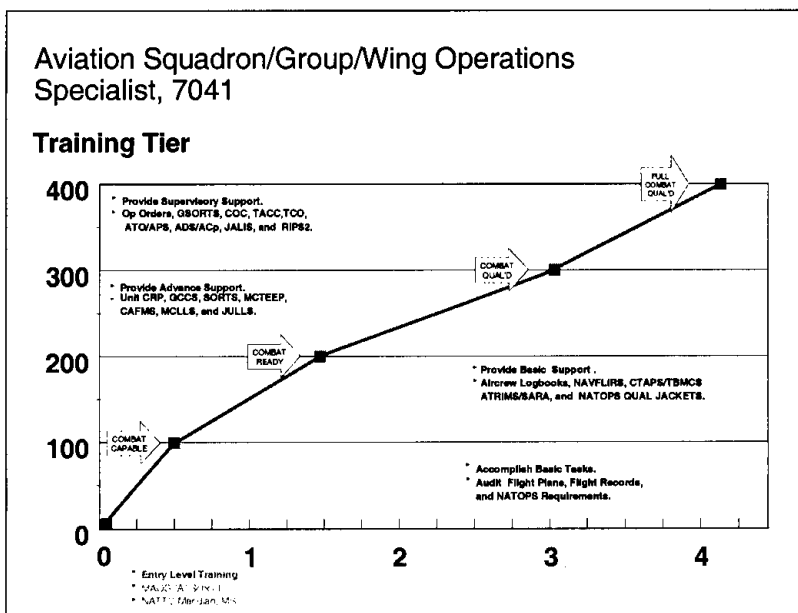


Figure 4-1 - Aviation Operations Specialist (FMF) Training Progression Model

2. This model depicts the **logical progression of qualifications** within a unit. The base of each model contains those qualifications an individual attains at the MOS-qualifying school. The highest tier of the progression model will contain those qualifications held by only the most experienced personnel within a unit.

3. The Combat Capable tier will, in most cases, be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.

4. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or

her proficient in core competencies. With successful completion of the combat ready tier, unit personnel move to the Combat Qualification tier.

5. The Combat Qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel that are being trained in the combat qualification tier are those Marines when a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

6. The Special Skill Qualification tier will contain special skills, and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but rather are those for which a certain number of trained individuals or crews must be maintained in order to accomplish special missions or tasks.

7. In some cases, higher echelon supervisory position training and qualifications may be reflected where the development of a separate T&R syllabus is not practical or warranted. These personnel are the most experienced personnel within a unit. They are expected to display the maturity and tactical acumen commensurate with this status on a daily basis, and assist the commanding officer with oversight of the unit training program.

8. The unit's training progression model provides training officers with a valuable tool to develop training plans. With a clear progression of qualifications delineated, and an emphasis on the qualification of "combat capable" and "combat ready" personnel, training officers have the ability to produce viable training plans. Units will use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

#### 405. PROGRAMS OF INSTRUCTION (POI) FOR AVIATION OPERATIONS SPECIALIST (FMF)

##### 1. BASIC FMF AVIATION OPERATIONS SPECIALIST

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
1-8	COMBAT CAPABLE TRAINING	MATSG, NTTC MERIDIAN
9-26	COMBAT READY	FMF
27-104	COMBAT QUALIFICATION	FMF
105-156	FULL-COMBAT QUALIFICATION	FMF

##### 2. TRANSITION FMF AVIATION OPERATIONS SPECIALIST

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
1-8	COMBAT CAPABLE TRAINING	MATSG, NTTC MERIDIAN
9-26	COMBAT READY	FMF
27-104	COMBAT QUALIFICATION	FMF
105-156	FULL-COMBAT QUALIFICATION	FMF

##### 3. REFRESHER FMF AVIATION OPERATIONS SPECIALIST

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
N/A		

#### 406. SPECIAL DESIGNATIONS

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
NONE		



**407. GROUND/ACADEMIC TRAINING**

1. Academic training shall be conducted for each phase/stage of the syllabus. The following lectures are strongly encouraged to be incorporated as part of a sound training plan. Where indicated, standardized academic training materials exist and may be obtained from the activity listed as the sponsor.

Lecture Code	Lecture Title	Sponsor
	<b>Proposed 200 Level: Combat Ready Training</b>	
	N/A - For future development	

	<b>Proposed 300 Level: Combat Qualified Training</b>	
	N/A - For future development	

	<b>Proposed 300 Level: Full-Combat Qualified Training</b>	
	N/A - For future development	

2. External academic courses of instruction required to complete the syllabus are listed below.

<u>COURSE</u>	<u>ACTIVITY</u>
SORTS DATA HANDLERS MTT	KEESLER AFB, MS
CTAPS OPERATOR TRAINING <u>COURSE</u>	AGOS HURLBURT FLD, FL

**408. TRAINING REFERENCES**

1. The following training references shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation:

**TITLE**

FMFM 5-1	MARINE AVIATION
SECNAVINST 5216.5	NAVY CORRESPONDENCE MANUAL
OPNAVINST P3710.	NAVAL AVIATION MAINTENANCE PROGRAM
OPNAVINST 5510.1	SECURITY REGULATIONS MANUAL
MCO P1070.12	INDIVIDUAL RECORDS ADMINISTRATION MANUAL
MCO 1326.2	ADMINISTRATION OF TEMPORARY FLIGHT ORDERS
MCO P3000.13	MARINE CORPS STATUS OF RESOURCES AND TRAINING (SORTS) STANDING OPERATING PROCEDURES (SOP)
MCO P3040.4D	MARINE CORPS CASUALTY PROCEDURES MANUAL

MCO 3100.2	OPERATIONAL REPORTING
MCO P3500.14	AVIATION TRAINING AND READINESS MANUAL, VOLUME 1: ADMINISTRATIVE
MCO 4631.1	MARINE CORPS OPERATIONS SUPPORT AIRLIFT MANAGEMENT
MCO 5000.17	MARINE CORPS LESSONS LEARNED MANUAL
MCO 5210.11	SECURITY MANUAL
MCO P5215.1	MARINE CORPS DIRECTIVES SYSTEM MANUAL
MCO 5750.3	MARINE CORPS HISTORICAL PROGRAM MANUAL
FAA 7350	FAA INTERNATIONAL CIVIL AERONAUTICAL ORGANIZATION MANUAL
GP/AP	FAA GENERAL PLANNING DOCUMENTS
FMFM 3-1	COMMAND AND STAFF ACTION
FM 101-5-1	MAP SYMBOLOGY
USMTF VOL I THRU V	US MESSAGE TEXT FORMAT MANUAL
JCS PUB 1-0	JOINT OPERATIONS PLANNING AND EXECUTION SYSTEM
JCS PUB 1-02	DICTIONARY OF MILITARY TERMS
JCS PUB 2-0	DOCTRINE FOR JOINT OPERATIONS
JCS PUB 6-0	JOINT OPERATING PROCEDURES
NTP-3	NAVAL TELECOMMUNICATIONS SYSTEM CTAPS USER'S MANUAL NALCOMIS USER'S MANUAL GCCS USER'S MANUAL MCTEEP USER'S MANUAL

#### 409. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS

1. General. The majority of the Aviation Operations Specialist syllabus is ground training. Likewise, development of MAGTF training involving extensive integration with applicable elements of the MAGTF is mandatory in the development of a fully combat qualified Aviation Operations Specialist.

a. Live Training. Training event condition codes listed as L (live), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted without the aid of simulator devices. Training not conducted in the live training environment shall be replaced with simulation where applicable as indicated in the condition code.

b. Simulator Training. N/A.

3. Minimum Performance Time for Syllabus "Write-Off"/Designations. Personnel may receive credit for successful completion of any syllabus requirement (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the commanding officer's discretion. Completion of 70 percent of any syllabus requirement (except qualifications) may be "certified" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation, and the designation signed by the commanding officer.

4. Evaluation of Training. Evaluation of those portions of the syllabus which are academic in nature will be conducted by either written or oral examination, or a combination of the two means. Operational and system related subjects will be evaluated by practical application means whenever

possible. Performance evaluation to qualify for mission qualifications and designations will be conducted per MCO P3500.14, Aviation T&R Manual, Volume 1, and the standardized evaluation forms provided by the MOS sponsor.

#### 410. COMPONENTS OF A T&R EVENT

1. General. An event contained within a T&R manual is an Individual or collective training standard and contains seven or eight components, dependent on the tier in which they are contained:

1/ <u>SAM-XXX</u>	2/ <u>0.5</u>	3/ <u>T.C.R. E</u>	4/ <u>EQUIP</u>	5/ <u>L/S (NS)</u>
----------------------	------------------	-----------------------	--------------------	-----------------------

**TASK:** The title of a unit of work which needs to be done in the performance of a Marine's duties. It is a clearly stated performance-oriented action requiring learned skills and knowledge, i.e., Engage a rotary winged aircraft.

**CONDITION(S):** The condition(s) set for the real-world or combat circumstances in which the tasks are to be performed. They indicate what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this should be stated.

**STANDARD(S):** The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement which identifies the proficiency level expected when the task is performed. It is not guidance, it is inviolate. Performance standards are specified in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc.

**PERFORMANCE STEP(S):** Listed for 100 level T&R events only. Performance steps are the actions or decisions required to fulfill proficiency established by the standard. The major performance steps which are required to perform the task to proficiency are listed in the order of performance. Minor steps are not listed.

**PREREQUISITE(S):** Provides a listing of academic training or other T&R events which must be completed prior to satisfying the task.

**REFERENCE(S):** Listing of doctrinal or reference publications which may assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion.

**ORDNANCE:** A listing of Ordnance types and quantities required to satisfy the Task.

**EXTERNAL SUPPORT REQUIREMENTS:** A listing or description of the external support requirements which may be required to satisfy completion of the task. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

- NOTES:
- 1/ Events are coded per Appendix B of MCO P3500.14, T&R Manual Vol 1.
  - 2/ Projected Event Duration is furnished as a planning tool.
  - 3/ Denotes the applicable Program of Instruction (Basic POI is understood).
  - 4/ An "E" indicates an Evaluated event.
  - 5/ The equipment or activity subcategory is listed.
  - 6/ Condition Code: **L** = live Training; **S** = simulator training; **L/S** = live preferred/simulator optional; **S/L** = simulator preferred/live optional; **N** = Night; **NS** = Night Vision Device. Where contained within ( ) denotes optional conditions.

#### 411. COMBAT CAPABLE TRAINING

1. Purpose. To develop basic knowledge of the principles and concepts of the MOS skills of an Aviation Operations Specialist.

a. General

- (1) Administrative Notes. None
- (2) Prerequisite. Marines will complete the Aviation Operations Specialist Basic Course of Instruction, Marine Air Training Support Group, Meridian, MS.

b. Crew Requirements. None.

c. Academic Training. Appropriate academic training and lectures for the stage as depicted in paragraph 410.

d. Live and Simulator Event Training (13 Events, 272 Hours)

MAN-100

1.0      E      L

**TASK:** Identify the command structure for Marine Aviation, and describe the meaning of unit designation abbreviations and aircraft assigned to aviation squadrons by type/model/series.

**CONDITION(S):** Without the use of references.

**STANDARD(S):** Per the references, and with 100% accuracy.

**PREREQUISITE(S):** None.

**REFERENCE(S):** FMFM 5-1.

**ORDNANCE:** None.

**EXTERNAL SUPPORT REQUIREMENTS:** None.

MAN-101

1.0            E                    L

TASK: Identify the elements of a Date/Time/Group, Zulu Time, Time Zones, and Julian Dates.

CONDITION(S): Without the aid of references, given a time and date in a given time zone, determine the appropriate Zulu Time, Date/Time/Group, and Julian Date.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): None.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

CPU-110

80.0            E                    L

TASK: Type at 25 words per minute.

CONDITION(S): With the use of a computer, and typing materials provided.

STANDARD(S): Type the provided material with a maximum of 5 errors for three sustained timed writings.

PREREQUISITE(S): None.

REFERENCE(S): None.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: A keyboarding Lab.

CPU-111

3.5            E                    L

TASK: Set up a computer.

CONDITION(S): Given a keyboard, Computer Processing Unit, monitor, printer and mouse with appropriate connecting wires.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): Computer owner manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

CPU-112

4.0            E                    L

TASK: Basic word processing.

CONDITION(S): Create, save, recall, and print a word processing document.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): Word Processing Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

CPU-113

2.0                    E                    L

TASK: Manage computer files.

CONDITION(S): Given a list of files on a computer.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): Computer Software Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

COR-120

0.0   T,C,R, E   EQUIP       L/S (NS)

TASK: Demonstrate a knowledge of the formats and procedures used in preparing Naval correspondence.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): At a minimum, the Marine will, according to the references:

- (1) Prepare a standard naval letter.
- (2) Prepare an endorsement.
- (3) Prepare a standard naval message.
- (4) Properly mark a document with the appropriate security classification.
- (5) Properly file correspondence.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): SECNAVINST 5216.5, NTP 3, OPNAVINST 5510.1, SECNAVINST 5215, MCO 5210.11.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

DIR-130

0.0       T,C,R, E       EQUIP       L/S (NS)

TASK: Demonstrate a knowledge of the Naval Directives System.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): At a minimum, the Marine will, according to the reference:

- (1) File Navy and Marine Corps directives.
- (2) Incorporate changes to directives.
- (3) Type a directive from a rough draft.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): MCO P5215.12.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FPC-140

1.0            E                    L

TASK: Identify the ICAO designation for each Marine Corps Air Station.

CONDITION(S): Without the use of references.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): FAA 7350.

EXTERNAL SUPPORT REQUIREMENTS: None.

FPC-141

0.5            E                    L

TASK: Extract information from flight information publications.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): Per the reference.

PREREQUISITE(S): None.

REFERENCE(S): Current FAA Regulations.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FPC-142

0.5            E                    L

TASK: Audit a DD-175 Flight Plan.

CONDITION(S): Given a DD-175 and the reference.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): General Planning Guide.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FLD-150

0.0 T,C,R, E EQUIP L/S (NS)

TASK: Demonstrate a knowledge of naval flight records.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): At a minimum, the Marine will, according to the references:

- (1) Verify flight records from source documents.
- (2) Record the appropriate entries in a Naval Aircrew Flight Logbook.
- (3) Input aircrew data into the Aviation Training Readiness Information Management System (ATRIMS).
- (4) Maintain and audit temporary flight orders.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 3710.7, MCO P3500.17, MCO 1326.2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

NTP-160

0.0 T,C,R, E EQUIP L/S (NS)

TASK: Demonstrate a knowledge of the annual NATOPS requirements.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): At a minimum, the Marine will, according to the reference.

- (1) Prepare a NATOPS Instrument Rating Request.
- (2) Prepare a NATOPS Evaluation.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 3710.7.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.



412. COMBAT READY TRAINING

1. Purpose. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the combat ready tier, unit personnel move to the Combat Qualification tier.

a. General

(1) Administrative Notes. None.

(2) Prerequisite. Marines will have successfully completed the previous stage of training and have achieved appropriate qualifications and designations per paragraph 407.

b. Crew Requirements. None.

c. Academic Training. Appropriate academic training for this stage is depicted in paragraph 410.

d. Live and Simulator Event Training (9 Events, 11 Hours)

MAN-200

3.0     R             L

TASK: Create and maintain a situation map.

CONDITION(S): Given the appropriate data and materials.

STANDARD(S): Per the references, the Marine will, according to the references:

- (1) Select appropriate map.
- (2) Plot friendly units utilizing correct unit symbology.
- (3) Plot appropriate Fire Support Control Measures.
- (4) Plot actual and proposed schemes) of maneuvers.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): FMFM 3-1, FM 17-43.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

CPU-210

1.0     R             L

TASK: Create a spreadsheet.

CONDITION(S): Given a computer containing the current Marine Corps standard spreadsheet program, and a list of data elements.

STANDARD(S): With 100% accuracy, create and print a spreadsheet.

PREREQUISITE(S): None.

REFERENCE(S): Users handbook for current Marine Corps standard spreadsheet program.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

CPU-211

1.0        R            L

TASK: Create a database.

CONDITION(S): Given a computer containing the current Marine Corps standard Database Management program and a list of data elements.

STANDARD(S): With 100% accuracy, create and print report.

PREREQUISITE(S): 210.

REFERENCE(S): Users handbook for current Marine Corps standard spreadsheet program.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

COR-220

1.0        R            L

TASK: Prepare Naval Correspondence.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): Per the references, and given a rough draft and references, the Marine prepares Naval Correspondence for signature by:

- (1) Assigning the correct Standard Subject Identification Code (SSIC).
- (2) Determining appropriate abbreviations that may be used in correspondence.
- (3) Type the following correspondence for signature:
  - (a) Prepare a Standard Naval Letter.
  - (b) Prepare a New Page Endorsement.
  - (c) Prepare a Same Page Endorsement.
  - (d) Prepare a Business Letter.
- (4) Review typed correspondence for accuracy.
- (5) Make necessary corrections.
- (6) Submit for signature.

PREREQUISITE(S): None.

REFERENCE(S): SECNAVINST 5210.11, MCO P1070.12, OH 0-2, JCS JOINT PUB 1-02, SECNAVINST 5216.5.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

COR-221

1.0     R                     L

TASK: Mark CLASSIFIED CORRESPONDENCE, DOCUMENTS AND messages.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): Per the references and current security program regulations.

PREREQUISITE(S): Appropriate security clearance, COR-220.

REFERENCE(S): NTP-3, SECNAVINST 5216.5, OPNAVINST 5510.1, Security Program Regulations.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

COR-222

1.0     R                     L

TASK: Maintain correspondence files.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): Per the reference the Marine will:

- (1) Identify Standard Subject Identification Codes (SSIC).
- (2) Prepare file folder labels.
- (3) Prepare files outline.
- (4) File correspondence in applicable file folders.
- (5) Ensure that classified material is not filed in unclassified files.
- (6) Conduct year-end disposal/retention actions.

PREREQUISITE(S): COR-220.

REFERENCE(S): SECNAVINST P5212.5, MCO 5210.11, SECNAVINST 5210.11.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

COR-223

0.5     R                     L

TASK: ROUTE CORRESPONDENCE AND MESSAGES.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): Per MCO 5210.11, the Marine will, with 100% accuracy:

- (1) Receive correspondence/messages and determine action required.
- (2) Make log entries to document receipt and section responsible for action.
- (3) Route correspondence/messages to appropriate action officer.
- (4) Monitor to ensure action is completed by required deadline.

PREREQUISITE(S) : COR-220, COR-222.

REFERENCE(S) : MCO 5210.11.

ORDNANCE: None.

EXTERNAL SUPPORT REOUIREMENTS: None.

## COR-224

1.0 R L

TASK: Prepare a Standard Naval Message for transmission.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): Per the references, the Marine will:

- (1) Determine the correct Plain Language Address Directory (PLAD) utilizing the Database PLAD Validation System (DPVS) for each addressee.
- (2) Determine the SSIC of the message.
- (3) Determine the correct date-time-group (DTG) and routing indicator.
- (4) Type the message.
- (5) Submit the message for release and transmission.

PREREQUISITE(S) : None.

REFERENCE(S): NTP-3, USMTF Vol I through V.

ORDNANCE: None.

EXTERNAL SUPPORT REOUIREMENTS: None.

## PUB-230

1.0      R                          L

TASK: Maintain Naval Directives System.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): Per the reference, the Marine will:

- (1) File Navy and Marine Corps Directives, and incorporate changes to directives as they occur.
- (2) Audit NAVMC 2761 and Directives Checklists and request new/replacement directives as required.
- (3) Type unit directives in the correct format from a rough draft.

PREREQUISITE(S) : None.

REFERENCE(S): MCO 5215.12, NAVMC 2761.

ORDNANCE: None.

TERNAL SUPPORT REQUIREMENTS: None.

FPC-240

1.0        R                    L

TASK: Prepare Instrument Navigational Packets.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): Per the reference, the Marine will:

- (1) Set up packets to include appropriate FLIPs, navigational computer, navigational flight log forms and appropriate aeronautical charts.
- (2) Inventory all packets on a monthly basis and update as necessary.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST P3710.7.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FLD-250

2.0        R                    L

TASK: Verify flight data from a NAVFLIRS source document into a computer database.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): Per the references the Marine will:

- (1) Update the aircrew/aircraft database within the unit's computerized data entry system (RECTYPE 7D).
- (2) Verify applicable entries in the Aircraft Data Section (RECTYPE 7B).
- (3) Verify applicable entries in the Aircrew Data Section (RECTYPE 7C).
- (4) Verify applicable entries in the Logistics Data Section (RECTYPE 7E and 7F).
- (5) Verify applicable entries in the Weapon Proficiency Data Section (RECTYPE 7G).
- (6) Utilize exception codes where appropriate.
- (7) Prepare a Transfer Data Sheet for aircrew transferring out of the unit.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 3710.7, OPNAVINST 4790.2, NALCOMIS Users Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FLD-2511.0    R                    L

TASK: Record flight data into an Aviators Flight Logbook.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): Per the reference.

PREREQUISITE(S): FLD-250

REFERENCE(S): OPNAVINST 3710.7.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FLD-2522.0    R                    L

TASK: Enter end of month, end of fiscal year, and aircrewmember transfer entries in a Naval Aircrew Logbook.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): Per the reference, the Marine will:

- (1) Monthly, close out all columns on the Flight Record and total/bring forward all flight hour columns.
- (2) Log flight time in "Summary of Pilot Time by Month, Model, etc, .." page.
- (3) End of fiscal year entries, total all columns and obtain aircrew signature. Line out remaining lines on page and annotate no further entries for that month.
- (4) When transferring aircrew, total all columns. Line out remaining lines on page and annotate no further entries for that command. Obtain signatures from the aircrewmember and the unit Commander or his representative.

PREREQUISITE(S): FLD-251, FLD-250.

REFERENCE(S): OPNAVINST P3710.7.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FLD-2531.0    R                    L

TASK: Review Daily Validation Reports and make corrections as appropriate.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): Per the reference the Marine will:

- (1) Validate Part I entries with source documents.

- (2) Make all required entries to correct erroneous data listed on Parts I and II.
- (3) Delete NAVFLIRS from the system as required.
- (4) Determine reasons that corrections appeared on Part III, correct and resubmit.
- (5) Determine reasons that entries appeared on Part IV and resubmit data if appropriate.
- (6) Be able to identify the unit's NAVFLIRS document numbers on Part V.

PREREQUISITE(S) : FLD-250.

REFERENCE(S): OPNAVINST P3710.7, OPNAVINST 4790.3.

ORDNANCE: None.

EXTERNAL SUPPORT REOUIREMENTS: None.

FLD-254

1.0 R L

TASK: Prepare and file completed NAVFLIRS source documents in the Master Flight Files.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): Per the reference the Marine will:

- (1) File NAVFLIRS source documents by chronological order.
- (2) Prepare a Master Flight Files Certification.
- (3) Prepare an SF-135 form to receive accession numbers from HQMC.
- (4) Forward or store Master Flight Files.

PREREQUISITE(S) : FLD-250, FLD-252, FLD-253.

REFERENCE(S) : OPNAVINST P3710.7.

ORDNANCE: None.

EXTERNAL SUPPORT REOUIREMENTS: None.

FLD-255

2.0 R L

TASK: Update the unit's ATRIMS database utilizing input from the NAVFLIRS.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): Per the references the Marine will:

- (1) Add/delete aircrewmembers to the database using the NAVFLIRS generated Individual Master Roster (IMR).
- (2) Update ATRIMS database from a NAVFLIRS transaction diskette.
- (3) Verify that proper chaining has been accomplished.
- (4) Determine errors and make corrections.
- (5) Manually update an aircrewmember's training code.

PREREQUISITE(S) : FLD-250, FLD-254.

REFERENCE(S): OPNAVINST 3710.7, MCO P3500.14, Applicable T&R Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FLD-256

1.0        R                    L

TASK: Print various reports utilizing the ATRIMS program.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): Per the references the Marine will:

- (1) Update ATRIMS program files and databases.
- (2) Create a separate database containing data on aircrewmembers assigned to a detachment. Reintegrate detachment members data at the conclusion of a deployment.
- (3) Print required reports.
- (4) Prepare a back-up diskette after each update.
- (5) Add, delete and transfer aircrewmembers to the database.

PREREQUISITE(S): FLD-250, FLD-255.

REFERENCE(S): OPNAVINST 3710.7, MCO P3500.14, Applicable T&R Volume.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

NTP-260

1.0        R                    L

TASK: Maintain NATOPS Qualification Jackets.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): At a minimum, the Marine will, according to the reference:

- (1) Ensure security of NATOPS Qualification Jackets.
- (2) NATOPS Jackets will be reviewed upon reporting, annually, and upon any major changes in flight status.
- (3) Ensure Review and Certification Record is signed (OPNAV 3760/32A).
- (4) Update NATOPS Evaluation and Instrument Ratings annually.
- (5) Update Record of Flight Equipment Issue as necessary (OPNAV 3760/32B).
- (6) Update Flight Personnel Designation Record when each designation is achieved (OPNAV 3760/32C).
- (7) Update School/Course Attendance Record as necessary (OPNAV 3760/32E).

PREREQUISITE(S): None.



REFERENCE(S): OPNAVINST P3710.7.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

NTP-261

1.0        R                      L

TASK: Prepare and type the NATOPS Evaluation Report.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): At a minimum, the Marine will, according to the reference:

- (1) Utilizing the Aviators Flight Logbook and NATOPS Qualification Jacket, complete the required report using OPNAV 3710/7 form.
- (2) Submit the completed form for signature.
- (3) File the OPNAV 3710/7 form in the appropriate section of the Individuals NATOPS Qualification Training Jacket.

PREREQUISITE(S): NTP-260.

REFERENCE(S): OPNAVINST P3710.7.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

NTP-262

1.0        R                      L

TASK: Prepare and type the NATOPS Instrument Ratings Request.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): At a minimum, the Marine will, according to the reference:

- (1) Utilizing the Aviators Flight Logbook and NATOPS Qualification Training Jacket, complete the NATOPS Instrument Ratings Request using the OPNAV-3710/2 form.
- (2) Submit the completed form for signature.
- (3) File the OPNAV-3710/2 form in the appropriate section of the Individuals NATOPS Qualification Training Jacket.

PREREQUISITE(S): NTP-260.

REFERENCE(S): OPNAVINST 3710.7.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

ARM-270

1.0 R L

TASK: Enter data utilizing the Marine Corps Lessons Learned System (MCLLS)/Joint User Lessons Learned System (JULLS).

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the references the Marine will:

- (1) Input required data in the preparation of an Air Tasking Order (ATO).
- (2) Input data into the system regarding mission updates.

PREREQUISITE(S): None.

REFERENCE(S): MCO 5000.17, Software Users Manual(s).

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

TAC-280

2.0 R L

TASK: Enter data utilizing the Contingency Theater Automated Planning System (CTAPS).

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): Per the CTAPS Users Manual, the Marine will:

- (1) Input data from a rough draft ATO.
- (2) Retrieve data as required from CTAPS.

PERFORMANCE STEP(S): None.

REFERENCE(S): CTAPS Users Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: Air Ground Operations School, Hurlburt Field, FL.

**413. COMBAT QUALIFICATION TRAINING**

1. Purpose. The Combat Qualification tier is that training which produces combat leaders and fully qualified crewmembers. The personnel being trained in the combat qualification tier are those Marines a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

a. General

- (1) Administrative Notes. None.

(2) Prerequisite. Marines will have successfully completed the previous stage of training and have achieved appropriate qualifications and designations per paragraph 433.

- b. Crew Requirements. None.
- c. Academic Training. Appropriate academic training for this stage is depicted in paragraph 410.
- d. Live and Simulator Event Training (10 Events, 24 Hours)

CPU-310

5.0 R L

TASK: Serve as the section's Information Systems Coordinator (ISC).

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per current hardware, software and network manuals the Marine will:

- (1) Establish and perform routine and scheduled maintenance on computer systems.
- (2) Retain all computer software application documentation.
- (3) Maintain the section's database files for data retrieval.
- (4) Install computer systems and software.

PREREQUISITE(S): CPU-211, CPU-210, Local ISC Course of Instruction.

REFERENCE(S): Current hardware, software and network manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

COR-320

1.0 R L

TASK: Review typed correspondence for errors.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the references the Marine will:

- (1) Ensure Standard Subject Identification Codes (SSIC) are correct.
- (2) Verify appropriate abbreviations.
- (3) Verify correspondence is in the appropriate format.
- (4) Ensure spelling and grammar are correct

PREREQUISITE(S): COR-220.

REFERENCE(S): SECNAVINST 5210.11, MCO P1070.12, SECNAVINST 5216.5, NTP-3.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

COR-3211.0      R                      L

TASK: Prior to transmission, review a standard naval message.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference the Marine will:

- (1) Ensure the Plain Language Address Directory (PLAD) for each addressee is correct.
- (2) Determine the category of message and SSIC are correct.
- (3) Check for format, grammatical and spelling errors.
- (4) Submit the message for release and transmission.

PREREQUISITE(S): COR-224.

REFERENCE(S): NTP-3, USMTF Vol I through V, JCS Pub 1, SECNAVINST 5216.5.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

COR-3222.0      R                      L

TASK: Prepare a Command Chronology and maintain historical library.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference, the Marine will:

- (1) Compile and submit the Command Chronology report.
- (2) Maintain a command historical library.
- (3) Ensure accountability of unit's lineage and awards.
- (4) Ensure serviceability of unit's colors

PREREQUISITE(S): None.

REFERENCE(S): MCO 5750.3.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

COR-3231.0      R                      L

TASK: Prepare and type the appropriate Serious Incident Report (SIR).

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference the Marine will gather required information and prepare the appropriate report.

PREREQUISITE(S): None.

REFERENCE(S): MCO P3040.4D.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

COR-324

1.0 R L

TASK: Manage and serve as a Secondary Control Point Custodian.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference, the Marine will:

- (1) Maintain the security of classified documents and files.
- (2) Manage a Secondary Control Point (SCP).

PREREQUISITE(S): COR-221.

REFERENCE(S): OPNAVINST 5510.1.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FLD-350

1.0 R L

TASK: Review and correct aviators flight logbooks.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the references the Marine will ensure that:

- (1) All data from NAVFLIRS source documents have been entered in the aviators flight logbooks.
- (2) All entries are accurate and legible.

PREREQUISITE(S): FLD-251.

REFERENCE(S): OPNAVINST P3710.7.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FLD-351

1.0 R L

TASK: Review Daily Validation Reports to ensure corrections are being made and that data contained on the Part II does not continue.





ARM-3701.0    R                      L

TASK: Input after action items following exercises and conferences, or items determined to be of significant importance, into the Marine Corps Lessons Learned System (MCLLS)/Joint User Lessons Learned System (JULLS).

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference, the Marine will:

- (1) Determine if a MCLLS item is accurate and complete.
- (2) Input the item into MCLLS database using current software.
- (3) Forward MCLLS via the chain of command.
- (4) Consolidate subordinate unit reports via MCLLS/JULLS for submission to higher headquarters.

PREREQUISITE(S): ARM-270.

REFERENCE(S): MCO 5000.17.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

ARM-3711.0    R                      L

TASK: Input data in the Global Command and Control System (GCCS).

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the GCCS Users Manual, the Marine will:

- (1) Access a GCCS system.
- (2) Input unit data.
- (3) Prepare reports from system data base.

PREREQUISITE(S): None.

REFERENCE(S): GCCS Users Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

ARM-3722.0    R                      L

TASK: Prepare a Status of Resources and Training System (SORTS) report.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference the Marine will, with 100% accuracy:



- (1) Compile unit data from applicable source documentation.
- (2) Prepare a SORTS report for submission to the next higher headquarters.
- (3) Compile and prepare a brief for the Commanding Officer on the unit's current and forecasted C-Level status.

PREREQUISITE(S): None.

REFERENCE(S): MCO P3000.13.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: USAF SORTS MTT, Keesler AFB.

ARM-373

1.0    R                      L

TASK: Utilize the Marine Corps Training and Exercise Employment Program (MCTEEP) to plan and schedule current/projected training commitments and deployments.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference, the Marine will:

- (1) Load and update the current version of MCTEEP software.
- (2) Enter information on current and projected training commitments and deployments.
- (3) Submit MCTEEP generated data to higher headquarters as directed.

PREREQUISITE(S): None.

REFERENCE(S): MCTEEP Users Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

TAC-380

1.0    R                      L

TASK: Set up and operate a Computer Aided Force Management System (CAFMS) remote work station.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference, the Marine will:

- (1) Establish and operate a remote CAFMS work station.
- (2) Query the system for applicable data.
- (3) Update scheduled mission to reflect changes, cancellations, and aborts.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): TAC-280.

REFERENCE(S): CAFMS Users Manual(s).

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

#### 414. FULL COMBAT QUALIFICATION TRAINING

1. Purpose. The Special Skill Qualification tier contains special skills, and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but are those for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.

a. General

(1) Administrative Notes. None.

(2) Prerequisite. Marines will have successfully completed the previous stage of training and have achieved appropriate qualifications and designations per paragraph 434.

b. Crew Requirements. None.

c. Academic Training. Appropriate academic training for this stage is depicted in paragraph 410.

d. Live and Simulator Event Training (15 Events, 28 Hours)

MAN-400

2.0

R

L

TASK: Prepare and publish an Operations Order.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference, the Marine will:

- (1) Gather information and assign responsibilities to the various staff sections to develop an Operations Order.
- (2) Place all information in the correct format and have the document typed.
- (3) Publish the document and monitor compliance.

PREREQUISITE(S): FLD-320, FLD-220, FLD-200.

REFERENCE(S): FMFM 3-1.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

PUB-430

2.0

R

L

TASK: Demonstrate proficiency in drafting Unit Directives.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference, the Marine will:

- (1) Locate source documentation on subject matter.
- (2) Draft the applicable directive utilizing the commander's guidance.
- (3) Supervise the final draft of the directive.
- (4) Route the finished directive for signature.
- (5) Supervise document distribution.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): PUB-230.

REFERENCE(S): MCOP P5215.1.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FLD-450

1.0      R                      L

TASK: Conduct a monthly audit of a squadron Temporary Flight Order Program.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference the Marine will:

- (1) Ensure assignment letters are signed for all members.
- (2) Screen aircrewmember flight time records to ensure flight minimums are.
- (3) If flight time minimums are not met, determine banked hours to meet shortfalls.
- (4) Pay/Recoupe Hazardous Duty Incentive Pay, as required.

PREREQUISITE(S): FLD-355, FLD-354, FLD-353.

REFERENCE(S): MCO 1326.2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

ARM-470

1.0      R                      L

TASK: Retrieve data via the Global Status of Resources Training System (GSORTS).

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the references the Marine will:

- (1) Transfer originating unit SORTS reports to higher headquarters for inclusion into the Joint Chiefs of Staff (JCS) database.

- (2) Retrieve selected data from the database based upon user defined criteria.
- (3) Prepare detailed visual briefs.

PREREQUISITE(S): ARM-372.

REFERENCE(S): MCO P3000.13, GCCS Users Guide.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

TAC-480

4.0 R L

TASK: Establish a Command Operations Center (COC) or Tactical Air Command Center (TACC).

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference the Marine will:

- (1) Assign and train personnel to function in the COC/TACC.
- (2) Determine necessary equipment to sustain operations in the field and prepare equipment for embarkation.
- (3) Deploy assigned personnel and equipment when directed.

PREREQUISITE(S): TAC-380, TAC-280, MAN-200.

REFERENCE(S): JCS Pub 1-0, JOPES, JCS Pub 2-0, FMFM 3-1, FMFM 5-1, MCO 3100.2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

ARM-481

1.0 R L

TASK: Input and retrieve data utilizing the capabilities and applications of TCO/JMCIS.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference, the Marine will:

- (1) Provide user with real time graphical representation of the position of friendly, hostile, and unknown sea, land, and air tracks.
- (2) Provides several Tactical Decision Aids (TDA) to assist the user in planning and analyzing routes, target areas, points of approach, and track history.

PREREQUISITE(S): TAC-380, TAC-280.

REFERENCE(S): TCO/JMCIS User's Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

TAC-482

6.0 R L

TASK: Prepare an Air Tasking Order/Integrated Tasking Order (ATO/ITO) utilizing the capabilities of Aviation Planning System (APS).

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per CTAPS Users Manual, the Marine will:

- (1) Build ATO/ITO database in APS.
- (2) Run APS Data Export.
- (3) Execute JMAPS ATO check.
- (4) Transmit ATO to remote terminals.
- (5) Transmit ATO via AUTODIN.

PREREQUISITE(S): TAC-481, TAC-380, TAC-280.

ORDNANCE: None.

REFERENCE(S): CTAPS Users Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

ARM-483

1.0 R L

TASK: Enter and retrieve data via the Computer Aided Force Management System (CAFMS).

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the CTAPS Users Guide, the Marine will:

- (1) Monitor and update status by unit, base, and theater.
- (2) Plan, distribute and edit an ATO/ITO.
- (3) Review and generate operational reports and execution orders.

PREREQUISITE(S): TAC-482, TAC-481, TAC-380, TAC-280.

REFERENCE(S): CTAPS Users Guide.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

TAC-484

2.0 L L

TASK: Input and retrieve data utilizing the Airspace Deconfliction System/Air Control Planning (ADS/ACP) System.



STANDARD(S): Per the reference the Marine will:

- (1) Receive and review an airlift request for accuracy and completeness.
- (2) Receive and review aerial refueling request from receiver units.
- (3) Validate the request to ensure it meets the criteria for utilization of Operational Support Aircraft (OSA) assets or tactical airlift.

PREREQUISITE(S) : None.

REFERENCE (S) : None.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

ATC-491

1.0 R L

TASK: Input airlift request to the Joint Automated Logistics Information System (JALIS).

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference the Marine will:

- (1) Assign Date-Time-Group, lift letter, and correct Unit Identification Code (UIC).
- (2) Assign correct arrival and departure International Civil Aviation Organization (ICAO) codes.
- (3) Convert requested arrival and departure times from local time to Zulu time.
- (4) Assign appropriate Priority, Urgency, Justification and Category (PUJC) Codes.
- (5) Determine appropriate cargo codes, if required.
- (6) List VIP name/code, if required.

PREREQUISITE(S) : ATC-490.

REFERENCE(S): MCO 4631.1, JALIS Users Guide.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

ATC-492

1.0      R                          L

TASK: Schedule OSA assets in a cost-effective manner, by combining requests to maximize use of available seating and minimize dead-head legs.

CONDITION(S): Given the appropriate equipment and materials.

STANDARD(S): Per the reference the Marine will:





REFERENCE(S): RIPS2 Users Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

415. SPECIAL TRAINING REQUIREMENTS

NONE

416. EXPENDABLE ORDNANCE REQUIREMENTS

NONE

AVIATION T&R MANUAL, VOLUME 7

MOS: 7041 Aviation Operations Specialist (FMF)

EVENT		SUSTAINMENT		
STAGE	TRAINING CODE	HOURS	INTERVAL MONTH	CRP
<u>COMBAT CAPABLE TRAINING</u>				
MAN	100	12.0		2.0
	101	5.0		2.0
CPU	110	15.0		3.0
	111	15.0		3.0
	112	15.0		3.0
	113	15.0		3.0
COR	120	49.0		12.0
PUB	130	13.0		4.0
FPC	140	4.0		1.0
	141	6.0		1.0
	142	35.0		5.0
FLD	150	74.0		17.0
NTP	160	14.0		4.0
TOTALS		276.0		60.0
<u>COMBAT READY TRAINING</u>				
MAN	200	3.0	12	1.0
CPU	210	1.0	12	1.0
	211	1.0	12	1.0
COR	220	1.0	12	1.0
	221	1.0	12	1.0
	222	2.0	12	1.0
	223	0.5	12	1.0
	224	1.0	12	1.0
PUB	230	1.0	12	1.0
FPC	240	1.0	12	1.0
FLD	250	2.0	6	2.0
	251	1.0	6	1.0
	252	2.0	6	2.0
	253	1.0	6	1.0
	254	1.0	6	2.0
	255	2.0	6	1.0
	256	1.0	6	1.0
NTP	260	1.0	12	1.0
	261	1.0	12	0.5
	262	1.0	12	0.5
ARM	270	1.0	12	1.0
TAC	280	2.0	12	1.0
TOTALS		25.5		24.0

**COMBAT QUALIFICATION TRAINING**

CPU	310	5.0	12	0.5
COR	320	1.0	12	0.5
	321	1.0	12	0.5
	322	2.0	12	0.5
	323	1.0	12	0.5
	324	1.0	12	0.5
FLD	350	1.0	6	0.5
	351	1.0	6	0.5
	352	2.0	6	0.5
	353	2.0	6	0.5
	354	3.0	6	0.5
	355	1.0	6	0.5
ARM	370	1.0	12	0.5
	371	1.0	12	0.5
	372	2.0	12	0.5
	373	1.0	12	0.5
TAC	380	1.0	6	<u>0.5</u>
<b>TOTALS</b>		<b>26.0</b>		<b>8.5</b>

**FULL COMBAT QUALIFICATION TRAINING**

MAN	400	2.0	12	0.5
PUB	430	2.0	12	0.5
FLD	450	1.0	12	0.5
ARM	470	1.0	12	0.5
TAC	480	4.0	12	0.5
	481	1.0	12	0.5
	482	6.0	12	0.5
	483	1.0	12	0.5
	484	2.0	12	0.5
	485	3.0	12	0.5
ATC	490	1.0	12	0.5
	491	1.0	12	0.5
	492	1.0	12	0.5
	493	1.0	12	0.5
	494	1.0	12	<u>0.5</u>
<b>TOTALS</b>		<b>28.0</b>		<b>7.5</b>

Figure 4-2 - Aviation Operations Specialist (FMF) Refly Interval,  
Combat Readiness Percentage

FMF AVIATION OPERATIONS SPECIALIST FLIGHT UPDATE CHAINING

<u>STAGE</u>	<u>EVENT</u>	<u>EVENTS UPDATED</u>
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**COMBAT CAPABLE**

MAN	200	
CPU	210	
	211	210
COR	220	
	221	220
	222	220
	223	222, 220
	224	
PUB	230	
FPC	240	
FLD	250	
	251	250
	252	251, 250
	253	250
	254	253, 252, 251
	255	250
	256	255, 250
NTP	260	
	261	
	262	260, 261
ARM	270	
TAC	280	

**COMBAT QUALIFIED**

CPU	310	211, 210
COR	320	220
	321	224
	322	
	323	
	324	221
FLD	350	251
	351	251, 250
	352	256, 255
	353	
	354	353
	355	354, 353
ARM	370	270
	371	
	372	
	373	
TAC	380	280

**FULL COMBAT QUALIFICATION TRAINING**

MAN	400	320,220,200
PUB	430	230
FLD	450	355,354,353
ARM	470	372
TAC	480	380,280,200
	481	380,280
	482	481,380,280
	483	482,481,380,280
	484	483,482,481,380,280
	485	484,483,482,481,380,280
ATC	490	
	491	490
	492	491,490
	493	
	494	493

Figure 4-3 - Aviation Operations Specialist (FMF) Event Update Chaining

AVIATION T&R MANUAL, VOLUME 7

CHAPTER 5

AVIATION OPERATIONS SPECIALIST  
MARINE CORPS AIR STATION/MARINE WING SUPPORT SQUADRON

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**500. INTRODUCTION**

1. The purpose of the Marine Aviation Training and Readiness (T&R) program is to provide the commander with standardized programs of instruction for all aviation personnel. The goal is to develop unit WARFIGHTING capabilities, not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective Training and Readiness (T&R) program is the first step in providing the MAGTF Commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat readiness. Using these tools, unit training managers can construct and execute an effective training plan which supports the unit's mission essential tasks.
2. Unit training management is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of Commanders at all levels in order to accomplish their wartime missions. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, *Unit Training Management Guide*, and form the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance understanding of the Systems Approach to Training used in T&R development and Marine Corps UTM principles.
3. The Marine Corps Combat Readiness Evaluation System (MCCRES) and the T&R program are inextricably linked. The events contained within the T&R syllabus provide the basis of individual and collective skills which enable units to satisfy the requirements as outlined in their applicable volume of the MCCRES.
4. Diversity of assignments is paramount to the career development of the Aviation Operations Specialist, MOS 7041. Aviation Operations Specialists may serve within the Marine Aircraft Wing at either squadrons, Marine Aircraft Groups, or the Marine Aircraft Wing headquarters. They may also serve as part of the Expeditionary Airfield Operations crew of a Marine Wing Support Squadron, or within the Airfield Operations Department of a Marine Corps Air Station. In each different type of unit, the Aviation Operations Specialist encounters different applications of the same basic skills. To learn the appropriate techniques for each job assignment and to understand the interrelationships between assignments, however, requires rotation of Aviation Operations Specialists through the various positions described in this T&R Manual. Chapter 4 identifies the training requirements for Marines assigned to aircraft squadrons, Marine Aircraft Groups, or Marine Aircraft Wing headquarters. Thorough professional development is enhanced by rotating Aviation Operations Specialists through the higher echelon units so they can learn the application of their skills at each level. Chapter 5 identifies the training requirements for Marines assigned to Marine Corps Air Stations or Marine Wing Support Squadrons. Rotation through the various job assignments within either unit is needed to fully develop the understanding and abilities of Aviation Operations Specialists such that they are well-prepared to lead junior Marines in any and all of the functional areas. The multiple training progression models apply to all Marines of MOS 7041 and, although periodic evaluation needs only to be performed in the functional area to which a Marine is currently assigned, leaders are encouraged to introduce their Aviation Operations Specialists to the tasks required in other functional areas.

**501. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS**

1. COMBAT CAPABLE STAGE

<u>EVENT</u>	<u>TASK</u>
MAN-100	Identify the command structure for Marine Aviation, describe the meaning of unit designation abbreviations, and aircraft assigned to aviation squadrons by type/model/series.
MAN-101	Identify the elements of a Date/Time/Group, Zulu Time, Time Zones, and Julian Dates.
PU-110	Type at 25 words per minute.
CPU-111	Set up a computer.
CPU-112	Utilize basic word processing skills.
CPU-113	Manage computer files.
CPU-120	Demonstrate a knowledge of the formats and procedures used in preparing Naval correspondence.
DIR-130	Demonstrate a knowledge of the Naval directives system.
FPC-140	Identify the International Civil Airfield Organization (ICAO) designation for each Marine Corps Air Station.
FPC-141	Extract information from flight information publications.
FPC-142	Audit a DD-175 Flight Plan.
FLD-150	Demonstrate a knowledge of Naval flight records.
NTP-160	Demonstrate a knowledge of the annual NATOPS requirements.

## 2. COMBAT READY STAGE

<u>EVENT</u>	<u>TASK</u>
MAN-200	State the working relationship between Flight Planning, Weather, Air Traffic Control, Crash Fire Rescue, and Visiting Aircraft Line.
MAN-201	Identify International Civil Aviation Organization (ICAO) airfield identifiers.
MAN-202	Recite the phonetic alphabet.
MAN-203	Describe the airfield layout.
MAN-204	Identify runway/taxiway signs and markings.
MAN-205	Operate communication equipment.
MAN-206	Operate a vehicle on the airfield.
MAN-207	Recite the actions taken in the event of an aircraft mishap.
MAN-208	Perform hand and arm signals for parking aircraft.
CPU-210	Create a spreadsheet.



CPU-211 Create a database.

FPC-241 Utilize the Notices to Airmen (NOTAM) system.

FPC-242 Provide flight planning guidance.

FPC-243 Track aircraft traffic at an airfield facility utilizing Flight Data Strips.

FPC-244 Audit VFR/IFR flight plans.

FPC-245 Enter flight plans into the National Airspace System.

FPC-246 Enter general information messages to ARTCC via Dial Lab System.

FPC-247 Maintain Flight Planning Passdown Log.

FPC-248 Maintain Airfield Status Board.

MIS-250 Initiate Lost Plane procedures.

MIS-251 Initiate a Search and Rescue helicopter launch.

RNG-260 Identify local operating areas and ranges.

RNG-261 Maintain a range schedule.

### 3. COMBAT QUALIFICATION STAGE

<u>EVENT</u>	<u>TASK</u>
MAN-300	Inspect an airfield.
MAN-301	Maintain a work request system for airfield maintenance.
MAN-302	Process a Prior Permission Required (PPR) request.
MAN-303	Research noise complaints.
FPC-340	Procure and maintain required publications, directives, charts, and supplies for pilot and branch personnel reference and use.
RNG-360	Maintain a range utilization data system.
RNG-361	Publish range advisory.

### 4. FULL-COMBAT QUALIFICATION STAGE

<u>EVENT</u>	<u>TASK</u>
MAN-400	Maintain an Airfield Vehicle Driving License System.
MAN-401	Process a landing request for a civilian aircraft.
MAN-402	Maintain Airfield Operations Manual (AOM).
MAN-403	Identify airfield operating hours.

**502. UNIT TRAINING**

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual training serves as the building block for overall unit readiness. However, unit training must not be compromised for the training of a select, few individuals. Squadron and battalion commanding officers will ensure that this training philosophy is implemented. Unit training must predominate, and squadrons must tailor their training plans to ensure unit combat readiness.

2. The training of Marines to perform as an integral aviation unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform those critical skills required in combat is essential.

3. Commanders shall ensure that all tactical training is conducted to a MCCRES standard. The MCCRES, as outlined in MCO P3501.1, is the unit training standard, and all syllabus events shall be tailored to meet MCCRES requirements. Commanders at all levels are responsible for effective aviation training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be overemphasized.

4. Commanders must be cognizant of the numerous factors affecting unit training on a daily basis. Factors which all commanders must address include, but are not limited to:

a. Efficiency. Time and resources expended are measurements for training efficiency. Commanders must ensure that all training increases combat readiness. Unit personnel shall thoroughly plan and effectively execute training to maximize the return on their time and effort.

b. Individual Differences. Commanders must recognize the differences inherent in each individual and should mold flexible training programs to accommodate those differences.

c. Decentralization of Training. The lowest echelon possible shall be responsible for conducting training. Each senior level of command must monitor subordinate levels to ensure safe and efficient training.

5. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by this Manual. Attendance of formal courses of instruction must enhance the warfighting capabilities of the unit.

6. Risk Management. Operational Risk Management (ORM) is a process to aid commanders in accomplishing their missions while protecting the force. Commanders, leaders, maintainers, planners and schedulers should integrate risk assessment in the decision making process and implement hazard controls to eliminate risk or reduce it to acceptable level.

**503. AIRFIELD OPERATIONS TRAINING PROGRESSION PHILOSOPHY**

1. All personnel will attend formal school training to qualify for duty in the Aviation Operations Specialist MOS. Upon completion of formal school training, Marines will receive additional training commensurate with their individual assignments at a Marine Corps Air Station (MCAS) or in the Operating Forces at an expeditionary airfield.

#### 504. AIRFIELD OPERATIONS TRAINING PROGRESSION MODEL

1. The Training Progression Model for the Aviation Operations Specialist assigned to an aircraft squadron, MAG, or MAW headquarters is depicted in figure 5-1. It combines the elements of each of the three syllabi contained in this chapter.

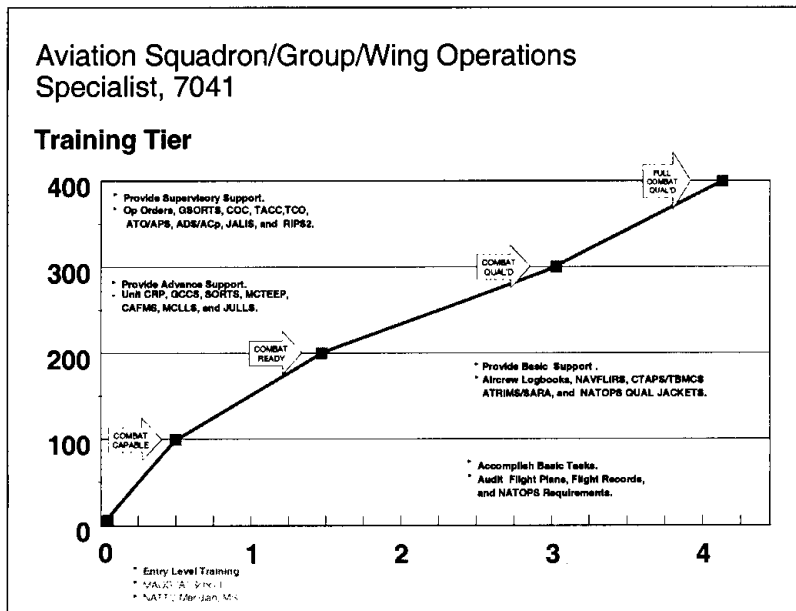


Figure 4-1 - Aviation Operations Specialist (FMF) Training Progression Model

2. This model depicts the **logical progression of qualifications** within a unit. The base of each model contains those qualifications a Marine attains at the MOS-qualifying school. The highest tier of the progression model will contain those qualifications held by only the most experienced personnel within a unit.

3. The Combat Capable tier will, in most cases, be accomplished at the completion of initial MOS skills training. With successful completion of the Combat Capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.

4. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the Combat Ready tier, unit personnel move to the Combat Qualification tier.

5. The Combat Qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel that

are being trained in the Combat Qualification tier are those Marines whom a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

6. The Full Combat Qualification tier will contain special skills and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but rather are those for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.

7. In some cases, higher echelon supervisory position training and qualifications may be reflected where the development of a separate T&R syllabus is not practical or warranted. These personnel are the most experienced personnel within a unit. They are expected to display the maturity and tactical acumen commensurate with this status on a daily basis, and assist the commanding officer with oversight of the unit training program.

8. The unit's training progression model provides training officers with a valuable tool to develop training plans. With a clear progression of qualifications delineated, and an emphasis on the qualification of "combat capable" and "combat ready" personnel, training officers have the ability to produce viable training plans. Units will use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

#### 505. PROGRAMS OF INSTRUCTION (POI) FOR AIRFIELD OPERATIONS

##### 1. BASIC AIRFIELD OPERATIONS

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
NONE		

##### 2. BASIC AIRFIELD AVIATION OPERATIONS SPECIALIST

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
1-8	COMBAT CAPABLE TRAINING	MATSG, NTTC MERIDIAN
9-26	COMBAT READY	MCAS
27-104	COMBAT QUALIFICATION	MCAS
105-156	FULL-COMBAT QUALIFICATION	MCAS

##### 3. TRANSITION AIRFIELD AVIATION OPERATIONS SPECIALIST

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
1-8	COMBAT CAPABLE TRAINING	MATSG, NTTC MERIDIAN
9-26	COMBAT READY	MCAS
27-104	COMBAT QUALIFICATION	MCAS
105-156	FULL-COMBAT QUALIFICATION	MCAS

##### 4. REFRESHER AIRFIELD OPERATIONS

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
None		

#### 506. GROUND/ACADEMIC TRAINING

1. Academic training shall be conducted for each phase/stage of the syllabus. Leaders are encouraged to develop lectures and experience-broadening activities to be incorporated as part of a sound training plan. Where

indicated, standardized academic training materials exist and may be obtained from the activity listed as the sponsor.

2. External academic courses of instruction required to complete the syllabus are listed below.

<u>COURSE</u>	<u>ACTIVITY</u>
Airfield Management Apprentice Course	Keesler AFB
Airfield Management Craftsman's Course	Keesler AFB
CDC 1C051 Airfield Management Journeyman Course	Gunther AFB
CDC 1C071 Airfield Management Craftsman Course	Gunther AFB
Basic Airport Safety Operations Specialist Course	American Assoc. of Airport Executives

#### 507. **TRAINING REFERENCES**

1. The following training references shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation:

#### **TITLE**

FMFM 3-1	COMMAND AND STAFF ACTION
FMFM 5-1	MARINE AVIATION
SECNAVINST 5216.5	NAVY CORRESPONDENCE MANUAL
OPNAVINST P3710.7	NAVAL AVIATION GENERAL OPERATING INSTRUCTIONS
OPNAVINST P4790.2	NAVAL AVIATION MAINTENANCE PROGRAM
OPNAVINST 3721.20	SPECIAL NOTICES TO AIRMEN/NOTICES TO AIRMEN
OPNAVINST 5510.1	SECURITY REGULATIONS MANUAL
MCO P1070.12	INDIVIDUAL RECORDS ADMINISTRATION MANUAL
MCO 1326.2	ADMINISTRATION OF TEMPORARY FLIGHT ORDERS
MCO P3000.13	MARINE CORPS STATUS OF RESOURCES AND TRAINING (SORTS) STANDING OPERATING PROCEDURES (SOP)
MCO P3040.4D	MARINE CORPS CASUALTY PROCEDURES MANUAL
MCO 3100.2	OPERATIONAL REPORTING
MCO P3500.14	AVIATION TRAINING AND READINESS MANUAL, VOLUME 1: ADMINISTRATIVE
MCO 4631.1	MARINE CORPS OPERATIONS SUPPORT AIRLIFT MANAGEMENT
MCO 5000.17	MARINE CORPS LESSONS LEARNED MANUAL
MCO 5210.11	SECURITY MANUAL
MCO P5215.1	MARINE CORPS DIRECTIVES SYSTEM MANUAL
MCO 5750.3	MARINE CORPS HISTORICAL PROGRAM MANUAL
FAA PART 139	CERTIFICATION AND OPERATIONS OF AIRFIELDS
FAA 7110.10	FLIGHT SERVICES
FAA 7350	INTERNATIONAL CIVIL AERONAUTICAL ORGANIZATION MANUAL
DOC 7919.84	INTERNATIONAL CIVIL AVIATION ORGANIZATION
GP/AP	FAA GENERAL PLANNING DOCUMENTS
FM 101-5-1	MAP SYMBOLOGY
JCS PUB 1-0	JOINT OPERATIONS PLANNING AND EXECUTION SYSTEM
JCS PUB 1-02	DICTIONARY OF MILITARY TERMS
JCS PUB 2-0	DOCTRINE FOR JOINT OPERATIONS
JCS PUB 6-0	JOINT OPERATING PROCEDURES
NAVAIR 00-80T-114	NATOPS AIR TRAFFIC CONTROL FACILITY MANUAL
NAVAIR 51-50AAA2	SHORE BASE AIRFIELD MARKINGS AND LIGHTING
USMTF VOL I THRU V	US MESSAGE TEXT FORMAT MANUAL
NTP-3	NAVAL TELECOMMUNICATIONS SYSTEM

	CTAPS USER'S MANUAL
	NALCOMIS USER'S MANUAL
	GCCS USER'S MANUAL
	MCTEEP USER'S MANUAL

**508. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS**

1. General. The Airfield Operations syllabus is based on On-the-job training (OJT), with high reliance individual study of the references, and leader reinforcement of performance steps in each event.

a. Live Training. Training event condition codes are listed as **L** (live).

b. Simulator Training. There are no simulators suited to development of Airfield Operations skills. The supervisor may, at his discretion, create training packages using notional data to test Marines' capabilities.

2. Minimum Performance Time for Syllabus "Write-Off"/Designations. Personnel may receive credit for successful completion of any syllabus requirement (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the commanding officer's discretion. Completion of 70 percent of any syllabus requirement (except qualifications) may be "certified" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation, and the designation, signed by the commanding officer.

3. Evaluation of Training. Evaluation of those portions of the syllabus which are academic in nature will be conducted by either written/oral examination or a combination of the two means. Operational and system related subjects will be evaluated by practical application means whenever possible. Performance evaluation to qualify for mission qualifications and designations will be conducted per MCO P3500.14, Aviation T&R Manual, Volume 1, and the standardized evaluation forms provided by the MOS sponsor.

**509. COMPONENTS OF A T&R EVENT**

1. General. An event contained within a T&R Manual is an individual or collective training standard and contains seven or eight components, depending upon the tier in which they are contained:

1/ <b><u>SAM-XXX</u></b>	2/ <b><u>0.5</u></b>	3/ <b><u>T,C,R, E</u></b>	4/ <b><u>EQUIP</u></b>	5/ <b><u>L/S (NS)</u></b>
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**TASK:** The title of a unit of work which needs to be done in the performance of a Marine's duties. It is a clearly stated performance-oriented action requiring learned skills and knowledge, i.e., Engage a rotary winged aircraft.

**CONDITION(S):** The condition(s) set for the real-world or combat circumstances in which the tasks are to be performed. They indicate what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this should be stated.

**STANDARD(S):** The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement which identifies the proficiency level expected when the task is performed. It is not guidance, it is inviolate. Performance standards are specified in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc.

**PERFORMANCE STEP(S):** Listed for 100 level T&R events only. Performance steps are the actions or decisions required to fulfill proficiency established by the standard. The major performance steps which are required to perform the task to proficiency are listed in the order of performance. Minor steps are not listed.

**PREREQUISITE(S):** Provides a listing of academic training or other T&R events which must be completed prior to satisfying the task.

**REFERENCE(S):** Listing of doctrinal or reference publications which may assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion.

**ORDNANCE:** A listing of Ordnance types and quantities required to satisfy the Task.

**EXTERNAL SUPPORT REQUIREMENTS:** A listing or description of the external support requirements which may be required to satisfy completion of the task. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

NOTES:

- 1/ Events are coded per Appendix B of MCO P3500.14, Aviation T&R Manual, Vol 1.
- 2/ Projected Event Duration is furnished as a planning tool.
- 3/ Denotes the applicable Program of Instruction (Basic POI is understood).
- 4/ An "E" indicates an Evaluated event.
- 5/ The equipment or activity subcategory is listed.
- 6/ Condition Code: **L** = live Training; **S** = simulator training; **L/S** = live preferred/simulator optional; **S/L** = simulator preferred/live optional; **N** = Night; **NS** = Night Vision Device. Where contained within ( ) denotes optional conditions.

**510. COMBAT CAPABLE TRAINING**

1. Purpose. The Combat Capable tier will be accomplished at the completion of initial MOS skills training. With successful completion of the Combat Capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.

- a. General. None.
  - (1) Administrative Notes. None.
  - (2) Prerequisite. None.
- b. Crew Requirements. None.
- c. Academic Training. None.
- d. Live and Simulator Event Training (13 Events, 272 Hours)

<u>MAN-100</u>	<u>1.0</u>	<u>E</u>	<u>L</u>
TASK: Identify the command structure for Marine Aviation, and describe the meaning of unit designation abbreviations and aircraft assigned to aviation squadrons by type/model/series.			
CONDITION(S): Without the use of references.			
STANDARD(S): Per the references, and with 100% accuracy.			
PREREQUISITE(S): None.			
REFERENCE(S): FMFM 5-1.			
ORDNANCE: NONE.			
EXTERNAL SUPPORT REQUIREMENTS: None.			
<u>MAN-101</u>	<u>1.0</u>	<u>E</u>	<u>L</u>
TASK: Identify the elements of a Date/Time/Group, Zulu Time, Time Zones, and Julian Dates.			
CONDITION(S): Without the aid of references, given a time and date in a given time zone, determine the appropriate Zulu Time, Date/Time/Group, and Julian Date.			
STANDARD(S): With 100% accuracy.			
PREREQUISITE(S): None.			
REFERENCE(S): None.			
ORDNANCE: None.			
EXTERNAL SUPPORT REQUIREMENTS: None.			
<u>CPU-110</u>	<u>80.0</u>	<u>E</u>	<u>L</u>
TASK: Type at 25 words per minute.			
CONDITION(S): With the use of a computer, and typing materials provided.			
STANDARD(S): Type the provided material with a maximum of 5 errors for three sustained timed writings.			
PREREQUISITE(S): None.			



REFERENCE(S): None.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: A keyboarding Lab.

CPU-111

3.5            E            L

TASK: Set up a computer.

CONDITION(S): Given a keyboard, Computer Processing Unit, monitor, printer and mouse with appropriate connecting wires.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): Computer owner manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

CPU-112

4.0            E            L

TASK: Basic word processing.

CONDITION(S): Create, save, recall, and print a word processing document.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): Word Processing Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

CPU-113

2.0            E            L

TASK: Manage computer files.

CONDITION(S): Given a list of files on a computer.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): Computer Software Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

COR-120

0.0     T,C,R, E     EQUIP     L/S     (NS)

TASK: Demonstrate a knowledge of the formats and procedures used in preparing Naval correspondence.

CONDITION(S): Given appropriate materials and equipment.

STANDARD(S): At a minimum, the Marine will, according to the references:

- (1) Prepare a standard naval letter.
- (2) Prepare an endorsement.
- (3) Prepare a standard naval message.
- (4) Properly mark a document with the appropriate security classification.
- (5) Properly file correspondence.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): SECNAVINST 5216.5, NTP 3, OPNAVINST 5510.1, SECNAVINST 5215, MCO 5210.11.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

DIR-130

0.0     T,C,R, E     EQUIP     L/S     (NS)

TASK: Demonstrate a knowledge of the Naval Directives System.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): At a minimum, the Marine will, according to the reference:

- (1) File Navy and Marine Corps directives.
- (2) Incorporate changes to directives.
- (3) Type a directive from a rough draft.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): MCO P5215.12.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FPC-140

1.0     E     L

TASK: Identify the International Civil Aviation Organization (ICAO) designation for each Marine Corps Air Station.

CONDITION(S): Without the use of references.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): FAA 7350.

EXTERNAL SUPPORT REQUIREMENTS: None.

FPC-141

0.5            E            L

TASK: Extract information from flight information publications.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): Per the reference.

PREREQUISITE(S): None.

REFERENCE(S): Current FAA Regulations.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FPC-142

0.5            E            L

TASK: Audit a DD-175 Flight Plan.

CONDITION(S): Given a DD-175 and the reference.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): General Planning Guide.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FLD-150

0.0    T,C,R, E    EQUIP            L/S    (NS)

TASK: Demonstrate a knowledge of naval flight records.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): At a minimum, the Marine will, according to the references:

- (1) Verify flight records from source documents.
- (2) Record the appropriate entries in a Naval Aircrew Flight Logbook.
- (3) Input aircrew data into the Aviation Training Readiness Information Management System (ATRIMS).
- (4) Maintain and audit temporary flight orders.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 3710.7, MCO P3500.17, MCO 1326.2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

NTP-160

0.0      T,C,R, E      EQUIP      L/S      (NS)

TASK: Demonstrate a knowledge of the annual NATOPS requirements.

CONDITION(S): Given the appropriate materials and equipment.

STANDARD(S): At a minimum, the Marine will, according to the reference.

- (1) Prepare a NATOPS Instrument Rating Request.
- (2) Prepare a NATOPS Evaluation.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 3710.7.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

#### 511. COMBAT READY TRAINING

1. Purpose. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the combat ready tier, unit personnel move to the Combat Qualification tier.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (9 Events, 11 Hours)

MAN-200

1.0      E      L

TASK: State the working relationship between Flight Planning, Weather, Air Traffic Control, Crash Fire Rescue, and Visiting Aircraft Line.

CONDITION(S): Without the use of references.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): FMFM 3-1.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-201

1.0            E            L

TASK: Identify International Civil Airfield Organization (ICAO) airfield identifiers.

CONDITION(S): Given an airport, and without the use of references.

STANDARD(S): With 100% accuracy, identify commonly used ICAO airfield identification codes for flights originating from the airfield.

PREREQUISITES(S): None.

REFERENCE(S): ICAO Location Identifiers Handbook.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-202

1.0            E            L

TASK: Recite the phonetic alphabet.

CONDITION(S): Without the use of references.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): None.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-203

1.0            E            L

TASK: Describe the airfield layout.

CONDITION(S): Without the use of references, given an actual airfield or a diagram.

STANDARD(S): Identify all runways, taxiways, and support items such as high power turn-up pads, compass rose warmup areas, and the Combat Arms Loading Area (CALA).

PREREQUISITE(S): None.

REFERENCE(S): Local Airfield Operations SOP.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-204

1.0            E            L

TASK: Identify runway/taxiway signs and markings.

CONDITION(S): Given an airfield and without the use of references.

STANDARD(S): With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 51-50AAA-2, FAA Advisory Circular 150 Series.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-205

2.0                      E                      L

TASK: Operate communication equipment.

CONDITION(S): Given a radio and without the use of references.

STANDARD(S): Operate UHF/VHF radio (Pilot to Dispatch, or vehicle driver to Ground) using correct terminology and procedures.

PREREQUISITE(S): None.

REFERENCE(S): None.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-206

2.0                      E                      D/N                      L

TASK: Operate a vehicle on the airfield.

CONDITION(S): Given a vehicle and a radio and without the use of references.

STANDARD(S): Per the Airfield Operations Manual, operate a vehicle on an airfield.

PREREQUISITE(S): MAN-203, MAN-204, MAN-205.

REFERENCE(S): NAVAIR 00-80T-114

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-207

1.0                      E                      L

TASK: Recite the actions taken in the event of an aircraft mishap.

CONDITION(S): Given a work center and without the use of references.

STANDARD(S): With 100% accuracy, per the given work center's SOP.

PREREQUISITE(S): None.

REFERENCE(S): Work Center's SOP.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-2081.0            E            D/N            L

TASK: Perform hand and arm signals for parking aircraft.

CONDITION(S): Without the use of references.

STANDARD: With 100% accuracy.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80T-115.

EXTERNAL SUPPORT REQUIREMENTS: None.

CPU-2102.0            E                            L

TASK: Create a spreadsheet.

CONDITION(S): Given a computer containing the current Marine Corps standard Spreadsheet program and a list of data elements.

STANDARD(S): With 100% accuracy, create and print a spreadsheet.

PREREQUISITE(S): None.

REFERENCE(S): Computer software manual for the current Marine Corps standard spreadsheet program.

EXTERNAL SUPPORT REQUIREMENTS: None.

CPU-2113.0            E                            L

TASK: Create a database.

CONDITION(S): Given a computer containing the current Marine Corps standard Database Management program and a list of data elements.

STANDARD(S): With 100% accuracy, create a data base and print a report.

PREREQUISITE(S): None.

REFERENCE(S): Computer software manual for the current Marine Corps standard data base management system.

EXTERNAL SUPPORT REQUIREMENTS: None.

FPC-2411.0            E                            L

TASK: Utilize the NOTAM system.

CONDITION(S): Given a NOTAM system and a NOTAM request, and without the use of references.

STANDARD(S): Per the references, enter a NOTAM into the National Aviation System.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 3721.20, Notices to Airmen/  
Notices to Airmen-Domestic/International

EXTERNAL SUPPORT REQUIREMENTS: None.

FPC-242

3.0                      E                      L

TASK: Provide flight planning guidance.

CONDITION(S): Given a DD-175 and Flight Information  
Publications (FLIPS).

STANDARD(S): With the use of references:

- (1) Brief pilots concerning airfield hazards,  
active runway status, correct taxi routes, and  
arresting gear status.
- (2) Advise aircrews of flight planning procedures  
applicable to the local area, and brief  
departure routings.
- (3) Advise aircrews of NOTAMS for enroute stops  
and final destination.

PREREQUISITE(S): None.

REFERENCE(S): FLIPS and Local Airfield Operations SOP.

EXTERNAL SUPPORT REQUIREMENTS: None.

FPC-243

1.0                      E                      L

TASK: Track aircraft traffic at an airfield facility  
utilizing Flight Data Strips.

CONDITION(S): Given a Flight Data Strip and without the  
use of references.

STANDARD(S): With 100% accuracy:

- (1) Determine when a Flight Data Strip is  
required.
- (2) Make required entries on the Flight Data  
Strip.

PREREQUISITE(S): None.

REFERENCE(S): FAA 7110.10.

EXTERNAL SUPPORT REQUIREMENTS: None.

FPC-244

2.0                      E                      L

TASK: Audit VFR/IFR flight plans.

CONDITION(S): Given a VFR/IFR flight plan and with the  
use of references.

STANDARD(S): With 100% accuracy, review a DD-175 or a  
DD-1801 Flight Plan for accuracy and completeness.

PREREQUISITE(S): FPC-140, FPC-141.



REFERENCE(S): DoD Flight IFR Supplement, NAVAIR 00-88-T114 (Chapter 5), FAA Handbook 7110.10, OPNAVINST 3710.7, OPNAVINST 3722.8, DoD FLIP General Planning.

EXTERNAL SUPPORT REQUIREMENT(S): None.

FPC-245

2.0                      E                                      L

TASK: Enter flight plans into the National Aviation System.

CONDITION(S): Given a flight plan and a Dial Lab computer system and without the use of references.

STANDARD(S): With 100% accuracy:

- (1) Enter into the Flight Data Input/Output (FDIO) System/Service "B" computer.
- (2) Receive acknowledgment that information has been accepted by the information to ARTCC, FSS or FSC.
- (3) Notify Tower and give appropriate information.

PREREQUISITE(S): FPC-242, FPC-244.

REFERENCE(S): DoD Flight IFR Supplement, NAVAIR 00-88-T114 (Chapter 5), FAA Handbook 7110.10, OPNAVINST 3710.7, OPNAVINST 3722.8, DoD FLIP General Planning.

EXTERNAL SUPPORT REQUIREMENT(S): None.

FPC-246

2.0                      E                                      L

TASK: Enter general information messages to ARTCC via Dial Lab System.

CONDITION(S): Given a Dial Lab System and information and without the use of the reference.

STANDARD(S): With 100% accuracy, input general information into the ARTCC system.

PREREQUISITE(S): None.

REFERENCE(S): OPNAVINST 3722.8.

EXTERNAL SUPPORT REQUIREMENTS: None.

FPC-247

2.0                      E                                      L

TASK: Maintain Flight Planning Passdown Log.

CONDITION(S): Given a Flight Planning Passdown Log and without the use of references.

STANDARD: With 100% accuracy, per the reference:

- (1) Determine information that needs to be known by subsequent watch shifts.
- (2) Make entry neat and legible in black ink.

PREREQUISITE(S): None.

REFERENCE(S): Local Airfield Operations SOP.

EXTERNAL SYLLABUS SUPPORT: None.

FPC-248

2.0                      E                      L

TASK: Maintain Airfield Status Board.

CONDITION(S): Given an Airfield Status Board and airfield status information from the Air Traffic Control Facility and without the use of references.

STANDARD(S): Enter the status of the airfield on the board.

PREREQUISITE(S): None.

REFERENCE: Local Airfield Operations SOP.

EXTERNAL SUPPORT REQUIREMENTS: None.

MIS-250

2.0                      E                      L

TASK: Initiate lost plane procedures.

CONDITION(S): Given an aircraft that has exceeded its estimated arrival time and without the use of references.

STANDARD(S): Per the reference:

- (1) State the amount of time an aircraft may be late before lost plane procedures are initiated.
- (2) Perform lost plane procedures.

PREREQUISITE(S): None.

REFERENCE(S): FAA 7110.10

EXTERNAL SUPPORT REQUIREMENTS: None.

MIS-251

2.0                      E                      L

TASK: Initiate a Search and Rescue (SAR) helicopter launch.

CONDITION(S): Given an emergency and without the use of references.

STANDARD(S): Per the reference:

- (1) Obtain permission from the approving authority.
- (2) Contact duty SAR crew.
- (3) Complete SAR checklist.

PREREQUISITE(S): None.

REFERENCE(S): FAA Handbook 7110.65, Local SAR SOP, NWP-37B.

EXTERNAL SUPPORT REQUIREMENTS: None.

RNG-2601.0            E                            L

TASK: Identify local operating areas and ranges.

CONDITION(S): With the use of references, given a sectional chart and FLIPS.

STANDARD(S): With 100% accuracy determine all local operating areas and missions allowed.

PREREQUISITE(S): None.

REFERENCE(S): FASCSDINST 3120.1, Local Airfield Operations SOP.

EXTERNAL SUPPORT REQUIREMENTS: None.

RNG-2612.0                            E                            L

TASK: Maintain a range schedule.

CONDITION(S): Given a computer with a range schedule program and range requests, without the use of references.

STANDARD(S): With 100% accuracy, per the reference:

- (1) Accept input from customers requesting range/operation area times.
- (2) Input request data into the computer data base.
- (3) Deconflict multiple requests for the same range time.
- (4) Publish a periodic range schedule.

PREREQUISITES: RNG 260.

REFERENCE(S): Local Range SOP.

EXTERNAL SYLLABUS SUPPORT: None.

## 512. COMBAT QUALIFICATION TRAINING

1. Purpose. The Combat Qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel that are being trained in the Combat Qualification tier are those Marines whom a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (7 Events, 12 Hours)

MAN-300

2.0 E L

TASK: Inspect an airfield.

CONDITION(S): Given an airfield and a checklist and without the use of references.

STANDARD(S): Inspect an airfield for maintenance discrepancies.

PREREQUISITE(S): None.

REFERENCE(S): FAA Part 139.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-301

2.0 E L

TASK: Maintain a work request system for airfield maintenance.

CONDITION(S): Given a situation requiring the generation of a work request and an airfield maintenance tracking logbook.

STANDARD(S): Per the reference:

- (1) Create a Work Request.
- (2) Deliver the Work Request to the appropriate Facilities Maintenance Department.
- (3) Maintain a system to track uncompleted work requests.

PREREQUISITE(S): None.

REFERENCE(S): Local Facilities Maintenance SOP.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-302

2.0 E L

TASK: Process a Prior Permission Required (PPR) request.

CONDITION(S): Given a PPR tracking system and without the use of references.

STANDARD(S): With 100% accuracy, per the reference:

- (1) Receive information for a PPR.
- (2) Ensure the airfield is open and can accommodate the aircraft of the requesting agency.
- (3) Assign a PPR number.
- (4) Provide information to appropriate departments.

PREREQUISITE(S): None.

REFERENCE(S): Local Airfield Operations SOP.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-3032.0            E            L

TASK: Research noise complaints.

CONDITION(S): Given information obtained from a noise complaint and without the use of references.

STANDARD: With 100% accuracy, per the reference:

- (1) Determine which aircraft was flying in the area from which a complaint was received at the notified time.
- (2) Determine if the identified aircraft violated established procedures.
- (3) Forward information to appropriate agency.

PREREQUISITES: None.

REFERENCE(S): Local Airfield Operations SOP.

EXTERNAL SYLLABUS SUPPORT: None.

FPC-3402.0            E            L

TASK: Procure and maintain required publications, directives, charts, and supplies for pilot and branch personnel reference and use.

CONDITION(S): Without the use of references.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): Defense Mapping Agency Catalog, FAA Advisory Circular 002A

EXTERNAL SUPPORT REQUIREMENTS: None.

RNG-3601.0            E            L

TASK: Maintain a range utilization data system.

CONDITION(S): Given data from range operators and without the use of reference.

STANDARD: With 100% accuracy:

- (1) Identify range ties scheduled and used.
- (2) Identify range times scheduled but not used.
- (3) Publish a statistical analysis of range utilization.

PREREQUISITE(S): RNG 260, RNG 261.

REFERENCE(S): Local Range SOP.

EXTERNAL SUPPORT REQUIREMENTS: None.

RNG-361

1.0

E

L

TASK: Publish range advisory.

CONDITION(S): Given current information obtained from range controllers and without the use of references.

STANDARD: With 100% accuracy and per Local SOPs, publish a report of up-to-date information concerning the range complex and operating areas.

PREREQUISITE(S): RNG-260, RNG-261, RNG-360.

REFERENCE(S): Local Range SOP.

EXTERNAL SUPPORT REQUIREMENTS: None.

### 513. FULL COMBAT QUALIFICATION TRAINING

1. Purpose. The Special Skill Qualification tier will contain special skills, and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but are those for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (4 Events, 5 Hours)

MAN-400

1.0

E

L

TASK: Maintain an Airfield Vehicle Driving License System.

CONDITION(S): With the use of references.

STANDARD: Per the reference:

- (1) Prepare and conduct a course on driving and communication procedures while on runways and taxiways.
- (2) Test personnel who desire an Airfield Driving License.

PREREQUISITE(S): MAN-206.

REFERENCE(S): NAVAIR 00-80T-114.

EXTERNAL SYLLABUS SUPPORT: None.

MAN-401

1.0

E

L

TASK: Process a landing request for a civilian aircraft.

CONDITION(S): Given a non-emergency request to land a civilian aircraft at a military airfield and a list of civilians and agencies licensed by the DoD to land at military installations and without the use of references.

STANDARD(S): Per the reference:

- (1) Determine that a pilot or an agency is currently licensed to land at a DOD facility.
- (2) Submit a request for a non-licensed pilot or agency to land.
- (3) Require Pilots of non-licensed aircraft who receive verbal authority to land to complete and sign a Hold Harmless Agreement.

PREREQUISITE(S): None.

REFERENCE(S): SECNAVINST 3770.1.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-402

2.0                      E                                      L

TASK: Maintain Airfield Operations Manual (AOM).

CONDITION(S): Given updated information concerning the airfield, with the use of references.

STANDARD(S): Per the reference:

- (1) Make corrections to the current AOM.
- (2) If appropriate, publish a new AOM.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80T-114, FAA Part 139.

EXTERNAL SUPPORT REQUIREMENTS: None.

MAN-403

1.0                      E                                      L

TASK: Identify airfield operating hours.

CONDITION(S): Given a request to alter published airfield operating hours, without the use of references.

STANDARD(S): Per the references, publish a message and issue a NOTAM, if appropriate, notifying all interested agencies of a change to the published operating hours.

PREREQUISITE(S): None.

REFERENCE(S): Local AOM, ATC/CFR NATOPS, LOA between the Facility and the FAA

EXTERNAL SUPPORT REQUIREMENTS: None.

514. SPECIAL TRAINING REQUIREMENTS. None.

515. EXPENDABLE ORDNANCE REQUIREMENTS. None.

AVIATION T&R MANUAL, VOLUME 7

CREW  
 MCAS/MWSS: MOS: 7041 POSITION: FLIGHT CLEARANCE CLERK  
 STAGE REFLY CONDITIONS &  
 EVENT TRAINING CODE HRS INTERVAL CRP T C R E REMARKS

COMBAT CAPABLE TRAINING

MAN	100	12.0		2.0
	101	5.0		2.0
CPU	110	15.0		3.0
	111	15.0		3.5
	112	15.0		3.0
	113	15.0		3.0
COR	120	49.0		12.0
PUB	130	13.0		4.0
FPC	140	4.0		1.0
	141	6.0		1.0
	142	35.0		5.0
FLDT	150	74.0		17.0
DSS	160	14.0		4.0

COMBAT READY TRAINING

MAN	200	1.0	6	1.0
	201	1.0	3	1.0
	202	1.0	3	1.0
	203	1.0	3	1.0
	204	1.0	3	1.0
	205	2.0	3	2.0
	206	2.0	3	2.0
	207	1.0	3	1.0
	208	1.0	3	1.0

COMBAT QUALIFICATION TRAINING

FPC	241	1.0	1	1.0
	242	3.0	1	3.0
	243	1.0	1	1.0
	244	2.0	1	2.0
	245	2.0	1	2.0
	246	2.0	1	2.0
	247	2.0	1	2.0
	248	2.0	1	2.0
MIS	250	2.0	3	2.0
	251	2.0	1	2.0

FULL-COMBAT QUALIFICATION TRAINING

FPC	340	4.0	3	4.0
MAN	301	2.0	1	2.0
	302	2.0	1	2.0
	303	2.0	3	2.0



AVIATION T&R MANUAL, VOLUME 7

MCAS/MWSS: MOS: 7041 CREW POSITION: FLIGHT OPERATIONS CLERK  
 STAGE REFLY CONDITIONS &

EVENT TRAINING CODE HRS INTERVAL CRP T C R E REMARKS

COMBAT CAPABLE TRAINING

MAN	100	12.0		2.0
	101	5.0		2.0
CPU	110	15.0		3.0
	111	15.0		3.5
	112	15.0		3.0
	113	15.0		3.0
COR	120	49.0		12.0
PUB	130	13.0		4.0
FPC	140	4.0		1.0
	141	6.0		1.0
	142	35.0		5.0
FLDT	150	74.0		17.0
DSS	160	14.0		4.0

COMBAT READY TRAINING

MAN	200	1.0	3	1.0
	201	1.0	3	1.0
	202	1.0	3	1.0
	203	1.0	3	1.0
	204	1.0	3	1.0
	205	2.0	3	2.0
	206	2.0	3	2.0
	207	1.0	3	1.0
	208	1.0	3	1.0

COMBAT QUALIFICATION TRAINING

FPC	248	2.0	1	2.0
CPU	210	2.0	3	2.0
	211	3.0	3	3.0
MIS	250	2.0	3	2.0
	251	2.0	1	2.0
MAN	300	2.0	1	2.0
	301	2.0	1	2.0
	302	2.0	1	2.0
	303	2.0	3	3.0
FPC	340	2.0	3	2.0

FULL-COMBAT QUALIFICATION TRAINING

MAN	400	1.0	3	2.0
	401	1.0	3	2.0
	402	2.0	6	2.0
	403	1.0	6	1.0

MCAS/MWSS:		MOS: 7041		CREW	
STAGE REFLY CONDITIONS &				POSITION: STATION RANGE CLERK	
EVENT TRAINING CODE		HRS	INTERVAL	CRP	T C R E REMARKS
<b>COMBAT CAPABLE TRAINING</b>					
MAN	100	12.0		2.0	
	101	5.0		2.0	
CPU	110	15.0		3.0	
	111	15.0		3.5	
	112	15.0		3.0	
	113	15.0		3.0	
COR	120	49.0		12.0	
PUB	130	13.0		4.0	
FPC	140	4.0		1.0	
	141	6.0		1.0	
	142	35.0		5.0	
FLDT	150	74.0		17.0	
DSS	160	14.0		4.0	
<b>COMBAT READY TRAINING</b>					
MAN	200	1.0	6	1.0	
	201	1.0	3	1.0	
	202	1.0	3	1.0	
	203	1.0	3	1.0	
	204	1.0	3	1.0	
	205	2.0	3	2.0	
	206	2.0	3	2.0	
	207	1.0	3	1.0	
	208	1.0	3	1.0	
<b>COMBAT QUALIFICATION TRAINING</b>					
CPU	210	2.0	3	2.0	
	211	3.0	3	3.0	
FPC	241	1.0	1	1.0	
	248	2.0	1	2.0	
MIS	250	2.0	3	2.0	
	251	2.0	1	2.0	
RNG	260	1.0	1	1.0	
	261	2.0	1	2.0	
<b>FULL-COMBAT QUALIFICATION TRAINING</b>					
MAN	301	2.0	1	2.0	
	302	2.0	1	2.0	
	303	2.0	3	2.0	
RNG	360	1.0	1	1.0	
	361	1.0	1	1.0	
MAN	400	2.0	3	2.0	
	401	1.0	3	1.0	
	402	2.0	6	2.0	
	403	1.0	6	1.0	

Figure 5-2 - Airfield Operations Specialist (MCAS/MWSS)  
Refly Interval, Combat Readiness Percentage

AVIATION OPERATIONS SPECIALIST (MOS 7041)

MARINE CORPS AIR STATION/MARINE WING SUPPORT SQUADRON FLIGHT UPDATE CHAINING

<u>STAGE</u>	<u>EVENT</u>	<u>EVENTS UPDATED</u>
MAN	200	
MAN	201	
MAN	202	
MAN	203	
MAN	204	
MAN	205	
MAN	206	204, 205
MAN	207	
MAN	208	
CPU	210	
CPU	211	
FPC	241	
FPC	242	
FPC	243	
FPC	244	
FPC	245	242, 244
FPC	246	
FPC	247	
FPC	248	
MIS	250	
MIS	251	
RNG	260	
RNG	261	260
MAN	300	
MAN	301	
MAN	302	
MAN	303	
PUB	300	
FPC	340	
RNG	360	260, 261
RNG	361	260, 261, 360
MAN	400	206
MAN	401	
MAN	402	
MAN	403	

Figure 5-3 - Aviation Operations Specialist (MCAS/MWSS)  
Event Update Chaining

CHAPTER 6

AIRCRAFT FIREFIGHTING AND RESCUE SPECIALIST

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AIRCRAFT FIREFIGHTING AND RESCUE TRAINING PROGRESSION PHILOSOPHY. . . . .	603	6-5
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**600. INTRODUCTION**

1. The purpose of the Marine Aviation Training and Readiness (T&R) program is to provide the commander with standardized programs of instruction for all aviation personnel. The goal is to develop unit WARFIGHTING capabilities, not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective Training and Readiness (T&R) program is the first step in providing the MAGTF Commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat readiness. Using these tools, unit training managers can construct and execute an effective training plan which supports the unit's mission essential tasks.

2. Unit training management is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of Commanders at all levels to accomplish their wartime missions. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, Unit Training Management Guide, and form the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance understanding of the Systems Approach to Training used in T&R development and Marine Corps UTM principles.

3. The Marine Corps Combat Readiness Evaluation System (MCCRES) and the T&R program are inextricably linked. The events contained within the T&R syllabus provide the basis of individual and collective skills which enable units to satisfy the requirements as outlined in their applicable volume of the MCCRES.

**601. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS****1. COMBAT CAPABLE STAGE**

<u>EVENT</u>	<u>TASK</u>
POI-101	Provide Emergency Medical Care.
POI-102	Provide Hazardous Materials Initial Response.
POI-103	Engage aircraft emergencies and suppress aircraft fires.
SUP-120	Perform the duties of a MIMMS clerk.
SUP-121	Perform the duties of an Emergency Medical Technician (EMT).
MGMT-130	Attend the "7" level course, DoD Fire Academy.

**2. COMBAT READY STAGE**

<u>EVENT</u>	<u>TASK</u>
NATOPS-200	Perform first aid and/or CPR procedures.
NATOPS-201	Perform emergency equipment operations and maintenance on assigned hydraulic forcible entry/rescue tools, assigned rescue saw, and assigned rescue air chisel and associated air tools.
NATOPS-202	Locate mishap site on a grid map.
NATOPS-203	Identify characteristics of a given aircraft.

NATOPS-204	Suppress an aircraft fire and/or emergency.
NATOPS-205	Suppress a structural fire and/or emergency.
NATOPS-206	Perform the duties of an emergency services dispatcher.
FFOPS-210	Perform the duties of a turret operator.
FFOPS-211	Perform the duties of a handline operator.
FFOPS-212	Perform firefighting support operations utilizing assigned firefighting apparatus.
FFOPS-213	Perform the duties of a Twin Agent unit operator.
FFOPS-214	Perform aircrew and passenger rescue on assigned aircraft.
FFOPS-215	Conduct Hazardous Materials response.
FFOPS-216	Perform emergency operations involving ordnance.
SUP-220	Perform the duties of a Self-Contained Breathing Apparatus (SCBA) Level III Technician.
SUP-221	Perform the duties of an initial response incident commander.
SUP-222	Conduct both formal and informal training of assigned personnel.
SUP-223	Inspect assigned firefighting and rescue personnel and operational and functional areas.
MGMT-230	Supervise unit's Preventive Maintenance program.
MGMT-231	Prepare Firefighting and Rescue equipment for embarkation by land, sea, or air.
MGMT-232	Prepare Quality Deficiency Reports.
MGMT-233	Prepare materials reports and forms.
MGMT-234	Monitor and control the Respiratory Protection Program.
MGMT-235	Supervise required programs necessary to maintain firefighting and rescue organizations.
MGMT-236	Prepare budget requirements to maintain firefighting and rescue organization.
MGMT-237	Manage the organizational training program.
MGMT-238	Maintain vehicle and firefighting equipment engineer records.

3. COMBAT QUALIFICATION STAGE

<u>EVENT</u>	<u>TASK</u>
DROPS-300	Obtain a major firefighting or support vehicle operators license.
DIS-301	Perform the duties of an emergency services dispatcher.
CLDR-302	Perform the duties of a crew leader on an assigned major firefighting or support vehicle.
SUP-320	Determine proper fire extinguishment placement.
SUP-321	Conduct fire extinguisher training.
MGMT-330	Identify equipment and personnel requirements for Forward Base Operations.
MGMT-331	Prepare Standing Operating Procedures for firefighting and rescue organizations.
MGMT-332	Establish aviation and structural firefighting and rescue duty sections.
MGMT-333	Prepare a Disaster Control/Crash Bill for firefighting and rescue organization.
MGMT-334	Establish required programs necessary to maintain firefighting and rescue organizations.
MGMT-335	Develop budget requirements to maintain firefighting and rescue organization.
MGMT-336	Conduct the administrative duties required to maintain firefighting and rescue organizations.
MGMT-337	Coordinate all phases of firefighting and rescue operations.

#### 4. FULL-COMBAT QUALIFICATION STAGE

<u>EVENT</u>	<u>TASK</u>
FF-400	Performs specialized rescue operations.
FF-401	Perform shipboard aviation firefighting operations.
SUP-420	Perform the duties of a Fire Inspector I.
SUP-421	Perform the duties of a Hazardous Materials instructor.
MGMT-430	Attend the NCOIC Senior Fire Protection Management Symposium.

#### 602. UNIT TRAINING

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual training serves as the building block for overall unit readiness. However, unit training must not be compromised for the training of a select, few individuals. Squadron and battalion commanding officers will ensure that this training philosophy is implemented. Unit training must predominate, and squadrons must tailor their training plans to ensure unit combat readiness.

2. The training of Marines to perform as an integral aviation unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform those critical skills required in combat is essential.

3. Commanders shall ensure that all tactical training is conducted to a MCCRES standard. The MCCRES, as outlined in MCO P3501.1, is the unit training standard, and all syllabus events shall be tailored to meet MCCRES requirements. Commanders at all levels are responsible for effective aviation training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be overemphasized.

4. Commanders must be cognizant of the numerous factors affecting unit training on a daily basis. Factors which all commanders must address include, but are not limited to:

a. Efficiency. Time and resources expended are measurements for training efficiency. Commanders must ensure that all training increases combat readiness. Unit personnel shall thoroughly plan and effectively execute training to maximize the return on their time and effort.

b. Individual Differences. Commanders must recognize the differences inherent in each individual and should mold flexible training programs to accommodate those differences.

c. Decentralization of Training. The lowest echelon possible shall be responsible for conducting training. Each senior level of command must monitor subordinate levels to ensure safe and efficient training.

5. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit.

6. Risk Management. Operational Risk Management (ORM) is a process to aid commanders in accomplishing their missions while protecting the force. Commanders, leaders, maintainers, planners and schedulers should integrate risk assessment in the decision making process and implement hazard controls to eliminate risk or reduce it to acceptable level.

#### **603. AIRCRAFT FIREFIGHTING AND RESCUE SPECIALIST TRAINING PROGRESSION PHILOSOPHY**

1. The majority of Aircraft Rescue and Firefighting syllabi is ground training which requires in-depth integration with other emergency responders within the DoD and the local community. The purpose of this Manual is to ensure personnel are trained in the areas of aerospace and structural firefighting and rescue. Typical duties include operating, servicing, inspecting and testing aircraft/structural firefighting and rescue equipment; instructing personnel in the techniques and procedures of rescue, fighting aircraft/structural fires and salvage operations involving all types of DoD aircraft.

#### **604. AIRCRAFT FIREFIGHTING AND RESCUE SPECIALIST TRAINING PROGRESSION MODEL**

1. The Training Progression Models for the Aircraft Firefighting and Rescue Specialist are depicted in figures 6-1, 6-2, and 6-3.



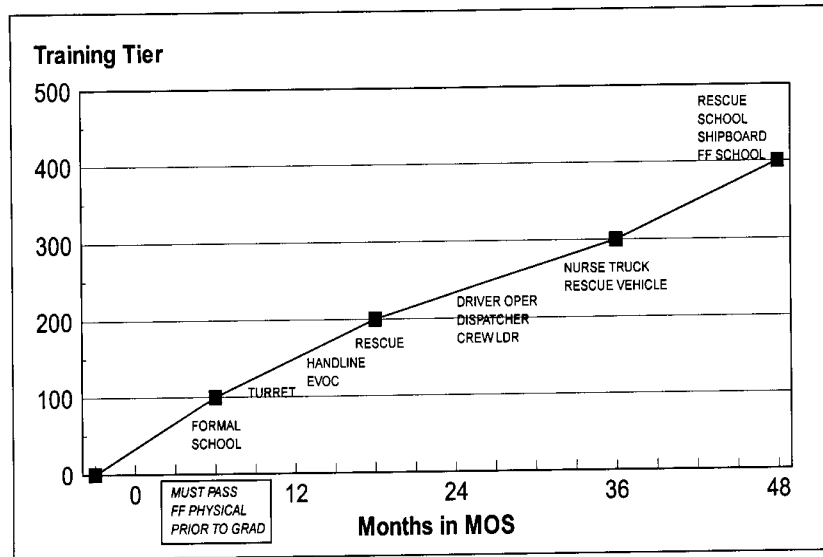


Figure 6-1 - Aircraft Firefighting and Rescue Specialist Training Progression Model

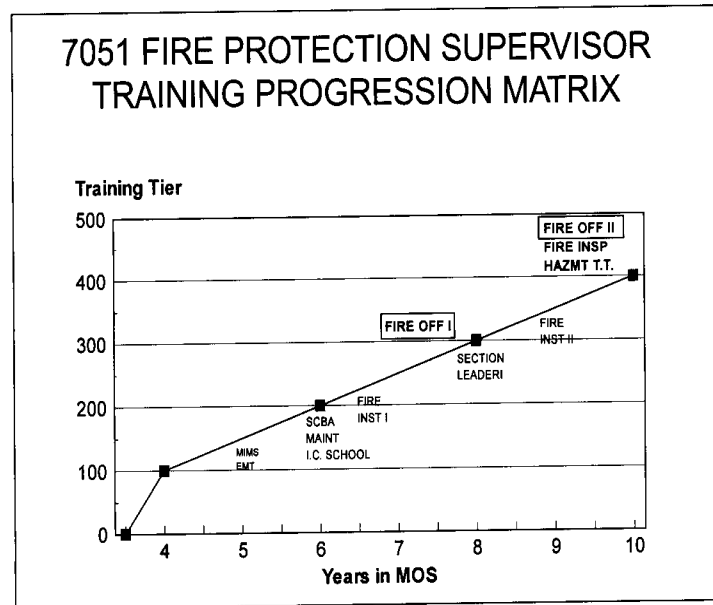


Figure 6-2 - Fire Protection Supervisor Progression Model

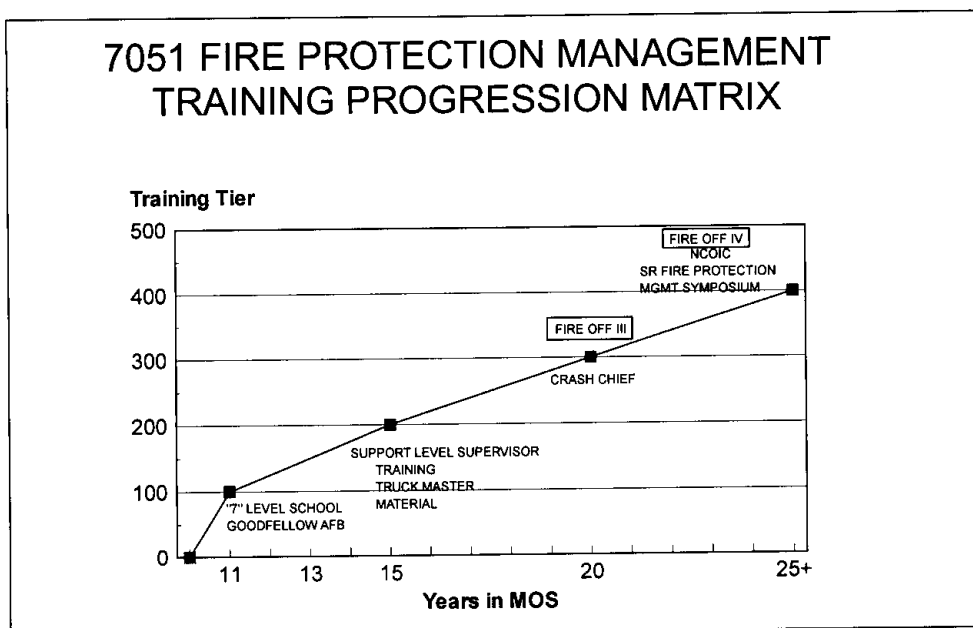


Figure 6-3 - Fire Protection Management Progression Model

2. This model depicts the **logical progression of qualifications** within a unit. The base of each model contains those qualifications an individual attains at the MOS-qualifying school. The highest tier of the progression model will contain those qualifications held by only the most experienced personnel within a unit.

3. The Combat Capable tier will in most cases be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.

4. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the combat ready tier, unit personnel move to the Combat Qualification tier.

5. The Combat Qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel that are being trained in the combat qualification tier are those Marines whom a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

6. The Special Skill Qualification tier will contain special skills and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but rather are those for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.

7. In some cases, higher echelon supervisory position training and qualifications may be reflected where the development of a separate T&R syllabus is not practical or warranted. These personnel are the most experienced personnel within a unit. They are expected to display the maturity and tactical acumen commensurate with this status on a daily basis, and assist the commanding officer with oversight of the unit training program.

8. The unit's training progression model provides training officers with a valuable tool to develop training plans. With a clear progression of qualifications delineated, and an emphasis on the qualification of combat capable" and "combat ready" personnel, training officers have the ability to produce viable training plans. Units will use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

#### 605. SPECIAL DESIGNATIONS

<u>WEEKS</u>	<u>COURSE/PHASE</u>	<u>ACTIVITY</u>
14	Aircraft/Structural Fire Fighter	DoD Joint Fire Protection Academy
6	Rescue Technician	DoD Joint Fire Protection Academy
6	Fire Inspector	DoD Joint Fire Protection Academy
4	Hazard Materials Train-the-trainer	DoD Joint Fire Protection Academy
6	"7" Level Course	DoD Joint Fire Protection Academy
2	MIMMS Clerk	Div/Wing Schools

#### 606. GROUND/ACADEMIC TRAINING

1. Academic training shall be conducted for each phase/stage of the syllabus. The following lectures are strongly encouraged to be incorporated as part of a sound training plan. Where indicated, standardized academic training materials exist and may be obtained from the activity listed as the sponsor.

Lecture Code	Lecture Title	Sponsor
	<b>Proposed 200 Level: Combat Ready Training</b>	
	N/A - For future development	

	<b>Proposed 300 Level: Combat Qualified Training</b>	
	N/A - For future development	

	<b>Proposed 300 Level: Full Combat Qualified Training</b>	
	N/A - For future development	

2. External academic courses of instruction required to complete the syllabus are listed below.

<u>COURSE</u>	<u>ACTIVITY</u>
Self Contained Breathing Apparatus (SCBA) Maintenance	Contracted from Manufacturer

**607. TRAINING REFERENCES**

1. The following training references shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation:

**TITLE**

OSHA 29 CFR 1910.120  
 CFR 1910, 120q  
 ANSI 288.5  
 DoDI 6055.6 - DoD Fire and Emergency Services Program  
 DoDI 6055.6M - DoD Fire and Emergency Services Certification Program  
 NAVAIR 00-80R-14  
 NAVAIR 00-80R-14-1  
 NAVAIR 00-80T-115  
 MCO P3500.17  
 MCO 4855.10  
 MCO P4790.2  
 MCO P4400.7  
 MCO 4855.10  
 MCO 5100.8  
 MCO P7100.8  
 MCO 11240.66  
 TM 4700-15/1  
 MILSTRIP  
 MILSTRAP  
 NAWCWPNS TP 80-22  
 NFPA 1000 series - Fire Service Professional Qualifications  
 NFPA 1500 series - Fire Service Occupational Safety and Health Standards  
 NFPA 472 - Hazardous Materials Responder Competencies  
 DOT EMS First Responder Standard  
 American Red Cross First Aid and CPR Standards  
 American Heart Association CPR Standards  
 International Fire Service Training Association (IFTSA) Manuals  
 Local Standard Operating Procedures  
 Local Air Operations Manuals  
 Local Fire Bill

**608. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS**

1. General. The majority of the Aircraft Rescue Firefighting Specialist syllabus is ground training which requires in-depth integration within the MAW. Likewise, development of MAGTF training involving extensive integration with applicable elements of the MAGTF is mandatory in the development of a fully combat qualified Aircraft Rescue Firefighting Specialist.

a. Live Training. Training event condition codes listed as L (live), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted without the aid of simulator devices. Training not conducted in the live training environment

shall be replaced with simulation where applicable as indicated in the condition code.

b. Simulator Training. Training event condition codes listed as S (simulator), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted in simulators where available and where applicable. Training not conducted in simulators shall be replaced with live training where applicable as indicated in the condition code.

3. Minimum Performance Time for Syllabus "Write-Off"/Designations. Personnel may receive credit for successful completion of any syllabus requirement (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the commanding officer's discretion. Completion of 70 percent of any syllabus requirement (except qualifications) may be "certified" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation, and the designation signed by the commanding officer.

4. Evaluation of Training. Evaluation of those portions of the syllabus which are academic in nature will be conducted by either written/oral examination or a combination of the two means. Operational and system related subjects will be evaluated by practical application means whenever possible. Performance evaluation to qualify for mission qualifications and designations will be conducted per MCO P3500.14, Aviation T&R Manual, Volume 1, and the standardized evaluation forms provided by the MOS sponsor.

#### 609. COMPONENTS OF A T&R EVENT

1. General. An event contained within a T&R manual is an Individual or collective training standard and contains seven or eight components, dependent on the tier in which they are contained:

1/ <u>SAM-XXX</u>	2/ <u>0.5</u>	3/ <u>T,C,R, E</u>	4/ <u>EQUIP</u>	5/ <u>L/S (NS)</u>
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**TASK:** The title of a unit of work which needs to be done in the performance of a Marine's duties. It is a clearly stated performance-oriented action requiring learned skills and knowledge, i.e., Engage a rotary winged aircraft.

**CONDITION(S):** The condition(s) set for the real-world or combat circumstances in which the tasks are to be performed. They indicate what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this should be stated.

**STANDARD(S):** The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement which identifies the proficiency level expected when the task is performed. It is not guidance, it is inviolate. Performance standards are specified in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc.

**PERFORMANCE STEP(S):** Listed for 100 level T&R events only. Performance steps are the actions or decisions required to fulfill proficiency established by the standard. The major performance steps which are required to perform the task to proficiency are listed in the order of performance. Minor steps are not listed.

**PREREQUISITE(S):** Provides a listing of academic training or other T&R events which must be completed prior to satisfying the task.

**REFERENCE(S):** Listing of doctrinal or reference publications which may assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion.

**ORDNANCE:** A listing of Ordnance types and quantities required to satisfy the Task.

**EXTERNAL SUPPORT REQUIREMENTS:** A listing or description of the external support requirements which may be required to satisfy completion of the task. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

**NOTES:**

- 1/ Events are coded per Appendix B of MCO P3500.14, Aviation T&R Manual, Vol 1.
- 2/ Projected Event Duration is furnished as a planning tool.
- 3/ Denotes the applicable Program of Instruction (Basic POI is understood).
- 4/ An "E" indicates an Evaluated event.
- 5/ The equipment or activity subcategory is listed
- 6/ Condition Code: **L** = live Training; **S** = simulator training; **L/S** = live preferred/simulator optional; **S/L** = simulator preferred/live optional; **N** = Night; **NS** = Night Vision Device. Where contained within ( ) denotes optional conditions.

**610. COMBAT CAPABLE TRAINING**

1. Purpose. The Combat Capable tier will in most cases be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.

a. General

(1) Administrative Notes. SUP-120/121 are not requirements for progression, but are billet dependent, though SUP-120 is highly recommended.

(2) Prerequisite. Firefighter must pass a physical examination per NFPA 1582 prior to completion of 100 events. Marine must attend "7" Level School, DoD Joint Fire Protection Academy, Goodfellow AFB, or obtain DoD Fire Instructor II and Fire Officer II through local training. All personnel may

not be able to attend the "7" level school due to funding and current billet assignment.

- b. Crew Requirements. None.
- c. Academic Training. None.
- d. Live and Simulator Event Training (7 Events, 945 Hours)

## 2. Basic Firefighter

POI-101      64.0            E      EQUIP            L

TASK: Provide Emergency Medical Care.

CONDITION(S): Given a simulated victim of a medical or trauma situation, wearing the proper personal protective equipment and provided with the appropriate emergency medical equipment.

STANDARD(S): Per the DOT EMS First Responder and current CPR standards as published by the American Red Cross and/or American Heart Association.

PREREQUISITE(S): None.

REFERENCE(S): DOT EMS First Responder standard, American Red Cross First Aid and CPR Standards, American Heart Association CPR Standards.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

POI-102      48 HR                            E                            L

TASK: Provide Hazardous Materials Initial Response.

CONDITION(S): As a member of a firefighting team, given the proper personal protective clothing and required tools.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): OSHA 29 CFR 1910.120, NAVAIR 00-80R-14, NFPA 472.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

POI-103      107 HR                            E                            L

TASK: Engage aircraft emergencies and suppress aircraft fires.

CONDITION(S): As a member of a firefighting team, given the proper personnel protective clothing and firefighting equipment.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NFPA 1003, IFSTA manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

### 3. Fire Protection Supervisor

SUP-120      80HR      E      L

TASK: Perform the duties of a MIMMS clerk.

CONDITION(S): Given the appropriate technical publications.

STANDARD(S): Per the reference.

PREREQUISITE(S): Attendance at a MIMMS course.

REFERENCE(S): MCO P4790.2.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

SUP-121      110HR      E      L

TASK: Perform the duties as an Emergency Medical Technician (EMT).

CONDITION(S): Given the proper personal protective and appropriate emergency medical equipment.

STANDARD(S): Per the reference.

PREREQUISITE(S): Attend a local EMT program.

REFERENCE(S): DOT EMT standard.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

### 4. Fire Protection Management

MGMT-130      200HR      E

TASK: Attend the "7" Level course, DoD Fire Academy.

CONDITION: Given the appropriate program of instruction.

STANDARD(S): Per DoDI 6055.6.

PREREQUISITE: None.

REFERENCE(S): DoDI 6055.6.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.



611. COMBAT READY TRAINING

1. Purpose. On the combat ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the combat ready tier, unit personnel move to the Combat Qualification tier.

a. General

(1) Administrative Notes. Emergency Vehicle Operator Course must be completed prior to completion of 200 level events. Prior to completion of SUP-200 level requirements, Marine must attend a local Incident Command school.

(2) Prerequisite. Marine must obtain Government Vehicle Operators License.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (27 Events, 241 Hours)

2. NATOPS Required TrainingNATOPS-2002E

TASK: Perform first aid and/or CPR procedures.

CONDITION(S): Given a simulated victim, while wearing proper personal protective equipment, and provided appropriate first aid and/or CPR equipment.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): DOT EMS, First Responder Standard, American Red Cross First Aid and CPR Standards, American Heart Association CPR Standards.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

NATOPS-20124E

TASK: Perform emergency equipment operations and maintenance on assigned hydraulic forcible entry/rescue tools, assigned rescue saw, and assigned rescue air chisel and associated air tools.

CONDITIONS(S): Given emergency equipment, appropriate checklist and operating manuals.

STANDARD(S): Per the reference.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NFPA 1000 series, manufacturer's instructions.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

NATOPS-202                      1                                      E

TASK: Locate mishap site on a grid map.

CONDITION(S): Given grid coordinates and appropriate grid map.

STANDARD(S): Per the reference.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

NATOPS-203                      2                                      E

TASK: Identify characteristics of a given aircraft.

CONDITION(S): Given the appropriate reference manual.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NAVAIR 00-80R-14-1.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

NATOPS-204                      1                                      E

TASK: Suppress an aircraft fire and/or emergency.

CONDITION(S): Given the proper personnel protective and firefighting equipment.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, IFSTA manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

NATOPS-205                      1                                      E

TASK: Suppress a structural fire and/or emergency.

CONDITION(S): Given proper personal protective and firefighting equipment.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): IFSTA, NFPA 1000 series.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

NATOPS-206                      1    E

TASK: Perform the duties of an emergency services dispatcher.

CONDITION(S): Assigned as an emergency services dispatcher, and given the following:

- (1) Radio communications mobile, base, and handheld units.
- (2) Public address system.
- (3) Local crash network.
- (4) Emergency notifications systems.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, Local SOP, manufacturer's operating instructions.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

### 3. Fire Fighter

FFOPS-210                      1    E

TASK: Perform the duties of a turret operator.

CONDITION(S): Given proper personal and firefighting equipment, and an airport firefighting vehicle.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, vehicle operator's manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FFOPS-211                      1    E

TASK: Perform the duties of a handline operator.

CONDITION(S): Given an AFFF/water or Halon handline, proper personal and firefighting equipment, and firefighting vehicle.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, IFSTA, NFPA 1000 series, vehicle operations manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FFOPS-212                      4                      E

TASK: Perform firefighting support operations utilizing assigned firefighting apparatus.

CONDITION(S): Given appropriate personal protective and firefighting apparatus and equipment.

STANDARD(S): Per the references and, at a minimum, utilizing structural fire hoses, appliance, and streams.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, IFSTA, NFPA 1000 series.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FFOPS-213                      3                      E

TASK: Perform the duties of a Twin Agent unit operator.

CONDITION(S): Given proper personal equipment.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, manufacturer's operating manuals, appropriate technical manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FFOPS-214                      1                      E

TASK: Perform aircrew and passenger rescue on assigned aircraft.

CONDITION(S): Given appropriate personal protective equipment, rescue tools and access to assigned aircraft.

STANDARD(S): Per the references:

- (1) Aircraft forcible entry.
- (2) Canopy/crew door entry.
- (3) Ejection seat safety.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NAVAIR 00-80R-14-1, IFSTA, NFPA 1000 series.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: Access to assigned aircraft.

FFOPS-215

1

E

TASK: Conduct Hazardous Materials response.

CONDITION(S): Given a Hazardous Materials incident and appropriate equipment.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NFPA 1000 series, NFPA 472, IFSTA Manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

FFOPS-216

2

E

TASK: Perform emergency operations involving ordnance.

CONDITION(S): Given appropriate personal protective and firefighting equipment, and an emergency involving ordnance.

STANDARD(S): Per the references.

PERFORMANCE STEP(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NAVAIR 00-80R-14-1, TP 8022.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

4. Fire Protection Supervisor

SUP-220

40

E

L

TASK: Perform the duties of a Self-Contained Breathing Apparatus (SCBA) Level III Technician.

CONDITION(S): Given the appropriate tools.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NFPA 1500 and 1000 series, manufacturer's maintenance instructions.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: SCBA Maintenance trainer.

SUP-221                24                E                L

TASK: Perform the duties of an initial response incident commander.

CONDITION(S): Given resources appropriate to the incident.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NFPA 1000 series, NFPA 1500 series

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

SUP-222                20                E                L

TASK: Conduct both formal and informal training of assigned personnel.

CONDITION(S): Given a prepared lesson plan and instructional materials.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, IFSATA manuals, Local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

SUP-223                1                E                L

TASK: Inspect assigned firefighting and rescue personnel and operational and functional areas.

CONDITION(S): Given inspection criteria.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): Local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

## 5. Maintenance Management

MGMT-230                18                L

TASK: Supervise unit's Preventive Maintenance Program.

CONDITION: Given written guidelines.



PREREQUISITE(S) : None.

REFERENCE(S): NAVAIR 00-80R-14, MILSTRIP, MILSTRAP, MCO 4400 Series, MCO 4790.2, TM 4700-15/1.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

MGMT-234                  20    L

TASK: Monitor and control the Respiratory Protection Program.

CONDITION: Given written guidelines and appropriate equipment.

STANDARD(S): Per the references, and as a minimum and not limited to:

- (1) Air quality control testing/monitoring.
- (2) Air compressor/cascade SOP.
- (3) SCBA management.
- (4) Fit Test requirements.

PREREQUISITE (S) : None.

REFERENCE(S) : NAVAIR 00-80R-14, NCO 5100.8, ANSI 288.5, Local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

MGMT-235      40      E      L

TASK: Supervise required programs necessary to maintain firefighting and rescue organizations.

CONDITION(S): Given Operational Commander's intent.

STANDARD(S): Per the references, at a minimum, but not limited to the following:

- (1) Establishment of Respiratory Protection Program.
- (2) Fire Hose Test Program.
- (3) Calibration Program.
- (4) Hydrostatic Program.
- (5) Preventive Maintenance Programs for:
  - (a) Vehicles.
  - (b) Equipment.
- (6) Extinguisher Program.
- (7) Embarkation Program.
- (8) Licensing Program.
- (9) Training Program.

PREREQUISITE (S) : None.

REFERENCE(S): DoDI 6055.6, NAVAIR 00-80R-14, NAVAIR 0- 80T-115, MCO 4790.2, NFPA standards, Local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.





ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

## 612. COMBAT QUALIFICATION TRAINING

1. Purpose. The Combat Qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel being trained in the combat qualification tier are those Marines a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

### a. General

(1) Administrative Notes. Must possess a Government operators permit for assigned major firefighting vehicle. Prior to completion of SUP-300 events Marine must certify at the DoD Fire Service Instructor I level. Prior to completion of MGMT-300 events, Marine must certify as a DoD Fire Officer III/IV.

(2) Prerequisite. Must have completed and passed Emergency Vehicle Operator Course.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (13 Events, 258 Hours)

## 2. Driver Operator/Dispatcher/Crew Leader

DROPS-300                      40                      E

TASK: Obtain a major firefighting or support vehicle operators license.

CONDITION(S): Given an assigned major firefighting or support vehicle, local training and testing requirements.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): MCO 11240.66, NAVAIR 00-80R-14, NFPA 1000 series.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

DIS-301                      1                      E

TASK: Perform the duties of an emergency services dispatcher.

CONDITION(S): Given the appropriate communications equipment within a dispatch center.

STANDARD(S): Per the references, and as a minimum:

- (1) Maintain the Chronological Daily Journal.
- (2) Activate the Primary Emergency Alarm network.
- (3) Activate Mutual Aid Response as directed.

- (4) Operate telecommunications equipment.
- (5) Maintain communications between Communications center and emergency response equipment.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NFPA 1000 series, IFSTA manuals, local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

CLDR-302      1                      E

TASK: Perform the duties of a crew leader on an assigned major firefighting or support vehicle.

CONDITION(S): Assigned as a crew leader on major firefighting or support vehicle.

STANDARD(S): Per the references, and at a minimum:

- (1) Initial response to emergency situations.
- (2) Situation evaluation.
- (3) Deployment of on-hand assets.
- (4) Direct initial phase of firefighting, rescue, hazardous materials or emergency medical response.

PREREQUISITE(S): Must possess license for assigned major firefighting vehicle.

REFERENCE(S): NAVAIR 00-80R-14, NFPA 1000 series, local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

SUP-320      3                      E                      L

TASK: Determine proper fire extinguishment placement.

CONDITION(S): Given the fire protection/prevention plan.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NAVAIR 00-80T-115, NFPA standards, local SOP, local fire bill.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

SUP-321      10                      E                      L

TASK: Conduct fire extinguisher training.

CONDITION(S): Given a lesson plan and appropriate training aids.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NFPA standards, IFSTA manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

### 3. Fire Protection Management

MGMT-330      18                      E                      L

TASK: Identify equipment and personnel requirements for Forward Base Operations.

CONDITION(S): Given the ACE commander's intent.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NAVAIR 00-80T-15, MCO P3501.17, NFPA standards, local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

MGMT-331      10                      E                      L

TASK: Prepare Standing Operating Procedures for firefighting and rescue organizations.

CONDITION(S): Per the references.

STANDARD(S): None.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NAVAIR 80T-115, NFPA standards, Local Air Operations manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

MGMT-332      2                      E                      L

TASK: Establish aviation and structural firefighting and rescue duty sections.

CONDITION(S): Given the commander's intent for operational readiness.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NAVAIR 00-80T-15, MCO P3501.17.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

MGMT-333      10                      E                      L

TASK: Prepare a Disaster Control/Crash Bill for firefighting and rescue organization.

CONDITION(S): Given Operational Commander's intent.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, NAVAIR 00-80T-115, Local Air Operations Manual.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

MGMT-334      40                      E                      L

TASK: Establish required programs necessary to maintain firefighting and rescue organizations.

CONDITION(S): Given Operational Commander's intent.

STANDARD(S): Per the references and at a minimum, but not limited to the following:

- (1) Establishment of Respiratory Protection Program.
- (2) Fire Hose Test Program.
- (3) Calibration Program.
- (4) Hydrostatic Program.
- (5) Preventive Maintenance Programs for:
  - (a) Vehicles.
  - (b) Equipment.
- (6) Extinguisher Program.
- (7) Embarkation Program.
- (8) Licensing program.
- (9) Training Program.

PREREQUISITE(S): None.

REFERENCE(S): DoDI 6055.6, NAVAIR 00-80R-14, NAVAIR 0-80T-115, MCO 4790.2, NFPA standards, local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

MGMT-335      5                      E                      L

TASK: Develop budget requirements to maintain firefighting and rescue organization.

CONDITION(S): Given Operational Commander's intent.

STANDARD(S): Per the references, and at a minimum will include:

- (1) Protective Clothing allowance.
- (2) Firefighting Agents Stock.
- (3) Consolidate Memorandum Receipt (CMR).
- (4) Table of Equipment (T/E).
- (5) Mid-Year Review.
- (6) TAD budget.

PREREQUISITE(S): None.

REFERENCE(S): NAVAIR 00-80R-14, MCO P3500.17, MCO P7100.8, local SOP.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

MGMT-336      20                      E                      L

TASK: Conduct the administrative duties required to maintain Firefighting and Rescue Organizations.

CONDITION(S): Given Operational Commander's intent.

STANDARD(S): Per the references.

PREREQUISITE(S): None.

REFERENCE(S): DoDI 6055.6, NAVAIR 00-80R-14, NAVAIR 00-80T-115, NAVAIR 00-80R-20, NAWCWPNS TP 80-22, Marine Corps Orders, Bulletins, Publications, Local SOP, Local Fire Bill/Pre-Mishap Plan, Local Mutual Aid agreements.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

MGMT-337      40                      E                      L/S

TASK: Coordinate all phases of firefighting and rescue operations.

CONDITION: Given an emergency situation.

STANDARD(S): Per the references. Proficiency to be shown to 100% in the following areas:

- (1) Aircraft Mishap.
- (2) Mass casualty incident.
- (3) Hazardous Materials.
- (4) Structural Fire incident.
- (5) Wildland fire incident.

PREREQUISITE: None.

REFERENCE: NAVAIR 00-80R-14, NFPA standards, IFSTA manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

**613. FULL COMBAT QUALIFICATION TRAINING**

1. Purpose. The Special Skill Qualification tier will contain special kills, and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but are those for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.

a. General

(1) Administrative Notes. Requirements described in this tier may not be available to all Marines due to school seat availability and/or Marine's current billet assignment. SUP-400 may be completed through the DoD Joint Fire Protection Academy or locally available schools. SUP-401 may not be available to all Marines due to school seating restrictions. NCOIC's are urged to attend the NCOIC Senior Fire Protection Management Symposium.

(2) Prerequisite. Completion of all Level 300 Firefighter requirements.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (5 Events, 620 Hours)

2. Rescue Technician

FF-400

6

E

TASK: Perform specialized rescue operations.

CONDITION(S): Given the appropriate personal protective and rescue equipment.

STANDARD(S): Per the references and, at a minimum, perform:

- (1) High angle.
- (2) Confined space.
- (3) Trench.
- (4) Water rescue operations.

PREREQUISITE(S): Attendance at DoD Joint Fire Protection Academy Rescue Technician course or locally available equivalent.

REFERENCE(S): DODI 6055.6, NFPA 1000 series, IFSTA manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

3. Shipboard Fire Protection

FF-401

6

E

TASK: Perform shipboard aviation firefighting operations.

CONDITION(S): Given appropriate personal protective and shipboard aviation firefighting equipment.

STANDARD(S): Per the references.

PREREQUISITE(S): Attendance at a Navy Shipboard Firefighting school is required.

REFERENCE(S): Appropriate Marine Corps and Marine Air Wing Orders and local SOP's.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

#### 4. Supervisory Firefighter

SUP-420      240      L

TASK: Perform the duties of a Fire Inspector I.

CONDITION: Given the appropriate technical publications and directives.

STANDARD(S): Per the references.

PREREQUISITE(S): Attendance at the Fire Inspector I course, DoD Joint Fire Protection Academy, Goodfellow AFB or locally available school.

REFERENCE(S): DoDI 6055.6, NAVAIR 00-80R-14, NFPA standards, IFSTA manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

SUP-421      160      L

TASK: Perform the duties of a Hazardous Materials instructor.

CONDITION: Given appropriate lesson outlines and training aids.

STANDARD(S): Per the references.

PREREQUISITE(S): Attendance at the Hazardous Materials Train-the-Trainer Course, DoD Joint Fire Protection Academy, Goodfellow AFB.

REFERENCE(S): CFR 1910.120q, DoDI 6055.6, DoDI 6055.6M, NAVAIR 00-80R-14, NFPA 472, NFPA 1000 series, IFSTA manuals.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENTS: None.

#### 5. Fire Protection Supervisor

MGMT-430

TASK: Attend the NCOIC Senior Fire Protection Management Symposium.

CONDITION: Given appropriate information.

STANDARD(S): Per the references.

PREREQUISITE(S): None.



REFERENCE(S): DoDI 60.55.6, NAVAIR 00-80R-14.

ORDNANCE: None.

EXTERNAL SUPPORT REQUIREMENT(S): None.

614. SPECIAL TRAINING REQUIREMENTS. None.

615. EXPENDABLE ORDNANCE REQUIREMENTS. None.

MOS: 7051 (Basic Firefighter)

TRAINING CODE		HRS	SUSTAINMENT INTERVAL MONTHS	CRP
<u>COMBAT READY TRAINING</u>				
NATOPS	200	2	1	.5
	201	24	1	.5
	202	1	1	.5
	203	2	1	.5
	204	1	1	.5
	205	1	1	.5
	206	1	1	.5
FFOPS	210	1	1	.5
	211	1	1	.5
	212	4	1	.5
	213	3	1	.5
	214	1	1	.5
	215	1	1	.5
	216	2	1	.5
SUP	220	40	4	1.0
	221	24	4	1.0
	222	20	4	1.0
	223	1	4	1.0
MGMT	230	18	1	0.5
	231	18	1	0.5
	232	18	12	0.5
	233	40	1	0.5
	234	20	1	0.5
	235	40	1	0.5
	236	20	12	0.5
	237	12	1	0.5
	238	8	1	0.5

Figure 6-4 - Aircraft Rescue Firefighting Specialist  
Combat Readiness Percentage

AVIATION T&R MANUAL, VOLUME 7

MOS: 7051 (Basic Firefighter)

		SUSTAINMENT INTERVAL		
TRAINING CODE		HRS	MONTHS	CRP
<b><u>COMBAT QUALIFICATION TRAINING</u></b>				
DROPS	300	40	4	2.0
DIS	301	1	2	2.0
CLDR	302	1	4	2.5
SUP	320	3	12	2.0
	321	10	4	2.0
MGMT	330	18	12	1.0
	331	10	12	1.0
	332	2	4	1.0
	333	10	4	1.0
	334	40	1	1.0
	335	5	12	1.0
	336	20	1	1.0
	337	40	1	2.0
<b><u>FULL-COMBAT QUALIFICATION TRAINING</u></b>				
FF	400	6	12	0.5
	401	6	12	0.5
SUP	420	240	1	1.0
	421	160	1	1.0
MGMT	430	24	12	2.0

Figure 6-4 -- Aircraft Rescue Firefighting Specialist  
Combat Readiness Percentage

AIRCRAFT RESCUE AND FIREFIGHTING SPECIALIST  
UPDATE CHAINING

**BASIC FIREFIGHTER**

<u>STAGE</u>	<u>EVENT</u>	<u>EVENTS</u>	<u>UPDATED</u>
NATOPS	200		
	201		
	202		
	203		
	204	200,201,202,203	
	205	200,201,202	
	206	202	
FFOPS	210		
	211		
	212		
	213		
	214		
	215		
	216		
DROPS	300		
DIS	301		
CLDR	302		
FF	400		
	401		

**FIRE PROTECTION SUPERVISOR**

<u>STAGE</u>	<u>EVENT</u>	<u>EVENTS</u>	<u>UPDATED</u>
SUP	120		
	121		
SUP	220		
	221		
	222	221	
	223		
SUP	320		
	321		
SUP	420		
	421		

FIRE PROTECTION MANAGEMENT

**STAGE    EVENT    EVENTS UPDATED**

MGMT	130	
MGMT	230	
	231	
	232	
	233	230, 232
	234	

**STAGE    EVENT    EVENTS UPDATED**

MGMT	235	230
	236	
	237	
	238	
MGMT	330	
	331	330
	332	330
	333	
	334	330, 331, 332, 333
	335	
	336	330, 331, 332, 232, 234, 335
	337	
MGMT	430	

Figure 6-5 -- AIRCRAFT RESCUE AND FIREFIGHTING Chaining